

322/Git



सत्यमेव जयते

GOVERNMENT OF MAHARASHTRA

15

MAHARASHTRA STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT)



ANNUAL REPORT 2002-2003



महाराष्ट्र राज्य शैक्षणिक संशोधन
व प्रशिक्षण परिषद, पुणे.

708, Sadashiv Peth, Kumathekar Marg, Pune 411 030

322/Gibt

171

ANNUAL REPORT

2002-2003



**MAHARASHTRA STATE COUNCIL OF EDUCATIONAL
RESEARCH AND TRAINING
SADASHIV PETH, PUNE-411 030**

ANNUAL REPORT

2002-2003

Acc No- 16162



MAHARASHTRA STATE COUNCIL OF EDUCATIONAL
RESEARCH AND TRAINING
SADASHIV PETH, PUNE-411 004

INDEX

Sr. No.	Pages
INTRODUCTION	1
1 MAHARASHTRA STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, PUNE	
1.1 Training	3
1.2 Research	4
1.3 Extention Services	5
1.4 Publication	6
1.5 Evaluation	7
1.6 State Bureau of Teachers Education	8
1.7 Teachers Education Training Branch	9
1.8 Curriculum Development Section	10
1.9 Occupational Education and Training Section (OET)	11
1.10 Tribal Dialect Project	11
1.11 Women Education Cell	12
1.12 Correspondence Training Section	13
1.13 Early Childhood Education Section, Geetmanch	14
1.14 Sarva Shikshya Abhiyan	17
1.15 Library	18
2 AFFILIATED STATE LEVEL INSTITUTES	
2.1 State Institute of Science Education, Nagpur	19
2.2 State Institute of English for Maharashtra, Aurangabad	24
2.3 Education Technology Cell, Worli, Mumbai	26
2.4 Vocational Guidance and Selection Institute, Mumbai	27
2.5 Maharashtra State Audio-Visual Education Institute, Pune-30	33
3 PROJECT AIDED BY WORLD BANK	37
District Primary Education Project (D. P. E. P.)	37
4 PROJECTS AIDED BY CENTRAL HUMAN RESOURCES DEVELOPMENT MINISTRY AND U. N. F. P. A.	
4.1 Statewide Massive and Rigorous Training Programme for Primary Teachers	40
4.2 Population Education Cell.	41
5 APPENDICES	
Appendix 1.--Statement showing the Sanctioned Posts in MSCERT, Pune and State Level Institutes.	43
Appendix 2.--Framework of Provisions-Plan and Non-Plan Schemes	44
Appendix 3.--Structure of MSCERT, Pune-30.	45
Appendix 4.--Publications of MSCERT	46
Appendix 5.--Statement showing the number of Primary Teachers in different District Institutes of Training for Short Term and Long Term Courses.	47
Appendix 6.--Statement showing the working officers in MSCERT, Pune-30 during the period of 1st April 2002 to 31st March 2003.	48

Introduction

Maharashtra State Council of Educational Research and Training., Pune-30 is working under School Education Department of State Government. This Council has been established to improve the quality of Primary Education. In July 1984, this Council has been formed due to amalgamation of different State level educational institutes and Original State Institute of Education. The Work Report of the Council in the year 2002-2003 is briefly reported in this booklet.

Objectives of Council

- (1) To Improve the quality of Primary Education.
- (2) To develop the Research attitude amongst the teachers.
- (3) To provide pre-service and In service training
- (4) To help and counsel to implement policies and programmes of the State Government and Educational Department in the Field of Primary Education.
- (5) To publish educational material.
- (6) To arrange programmes for propagation of Educational Innovations
- (7) To arrange Statewide Teachers Training Programmes.
- (8) To arrange seminars of district level extension service centres, associations of State level subject teachers and associations of Innovative Teachers.
- (9) To suggest improvements to schools in educational evaluation system.
- (10) To prepare curriculum for D. Ed and B. Ed. Courses.
- (11) To implement the process of admission of D. Ed. Course
- (12) To re-organise and innovate the curriculum of Primary Education, arrange training programmes and develop educational aids.
- (13) To arrange training programmes on Value Education.
- (14) To orient the parents about Girls Education and hence arrange training, orientation programmes and develop educational material.
- (15) To give correspondence training to untrained teachers in Primary Schools.

SECTIONS

1. Following sections are working at the head office of MSCERT at Pune :

- (1) Training,
- (2) Research,
- (3) Extension,
- (4) Publication,
- (5) Evaluation,
- (6) State Bureau of Teachers Education,
- (7) D. Ed. College Training Branch (34T),
- (8) Curriculum Development,
- (9) Occupational Education and Training (O. E. T.),
- (10) Tribal Dialect project,
- (11) Women Education Cell,
- (12) Correspondence Training,
- (13) Early Childhood Education, Geetmanch,
- (14) Sarva Shiksha Abhiyan,
- (15) Library.

2. Allied Institutes of Council in rest of Maharashtra and in Pune itself.

- (1) State Institute of Science Education, Nagpur.
- (2) State Institute of English for Maharashtra, Aurangabad.
- (3) Educational Technology Cell, Worli, Mumbai.
- (4) Institute of Vocational Guidance and Selection, Mumbai.
- (5) Maharashtra State Institute of Audio Visual Education, pune.

3. Project Aided by World Bank.

(1) District Primary Education Project (D. P. E. P.)

4. Projects Aided by Central Human Resources Development Ministry and U. N. F. P. A.

(1) State wide Teacher's Training Programme.

(2) Population Education.

The work Report in the year 2002-2003 of the Sections in the Council at Pune and of allied institutes is briefly reported in this booklet.

This Council is in gratitude of allied institutes of Council, National Council of Educational Research and Training, New Delhi; Regional Institute of Education, Bhopal; World Bank, Central Government; different Colleges and Schools of Education, State Government and educationists.

DIRECTOR,
Maharashtra State Council of Educational
Research and Training, Pune-30.

1 Maharashtra State Council of Educational Research and Training, Pune-30

1.1 Training Section

Training Section is an important section of the Council. This section organises various courses, work-shops, seminars etc. to appraise the different functions in the field of education at all levels with new techniques, approaches and trends in education.

In the year 2002-2003 following activities were organised by this section.

I Training

(1) **In Service training for Clerical Staff.**--In July 2002 and August 2002 two inservice training courses were organised by this Section 63 (Sixty Three) and 69 (Sixty Nine) participants were prepared for the post recruitment departmental examination.

(2) **Swayamsevi Teachers Training.**--From 16th August 2002 to 30th August 2002, 15 days duration training for Swayamsevi Teachers was organised by this Section with the help of DIETs. 2357 Swayamsevi Teachers were trained in this training from all over Maharashtra.

(3) **Inservice Training for (Extension Officers (Edn.).**--Two inservice training courses were organised by this Section at DIET, Ambejogai and DIET Jalna. The duration was of four days. One was from 11th to 14th December 2002, 42 extension officers were participated in this course and other was from 16th to 19th December 2002. 24 extension officers were present in this course.

(4) Training for Kendra Swayamsevak of Mahatma Phule Education Guarantee Scheme

(A) **State level orientation course.**--From 30th December 2002 to 1st January 2003 State level training course of 3 days duration was organised by this section at M. S. C. R. T., Pune. 33 key resource persons were participated in this course.

(B) **Regional orientation Course.**--From 4th January 2003 to 6th January 2003 three days duration orientation courses were organised by this section with the help of D. I. E. T; at regional level. 144 key resource persons were participated in this course. This course was organised at Satara, Nashik, Parbhani and Nagpur.

(C) **District level Orientation Course.**--From 8th January 2003 to 10th January 2003 orientation course for district level resource persons was organised with the help of D. I. E. T. 1180 participants were present in this course.

(D) **Kendra Swayamsevaks Training.**--A training for kendra swayamsevak as for a new organised M. P. E. G. S. centres from all over Maharashtra was organised by this Section with the help of DIET. Training courses were organised in the district at Block level. 12,934 Kendra Swayamsevaks were participated in this training.

(5) **Personality Development Training for Officers.**--A two days duration personality development training was organised at J. P. Naik Centre. Kothrud, Pune. 36 officers participated in this training.

II Deputation of Teachers

(1) **Deputation of teachers for the training organised by C. C. R. T., New Delhi.**--In all 733 primary and secondary teachers were deputed for training in various training courses in different subjects at the centre for Cultural Resources and Training, New Delhi. The details of these courses are given below.

- (i) Orientation Course.
- (ii) Socially useful productive work and work experience.
- (iii) Role of School in conservation about natural and Cultural heritage
- (iv) Study of Cultural Heritage
- (v) Schools and Museums
- (vi) Role of handicrafts and sculpture in Education
- (vii) Puppetry show
- (viii) Creative activities in Education

(2) **Central Institute of Vocational education, Bhopal.**—This institution organised a training for key resource persons from 28th January 2003 to 31st January 2003. 9 (nine) key resource persons were deputed for this training.

(3) **Regional Institute of Education, Bhopal.**—This institute organised various PAC programmes for secondary teachers and teacher educators to improve teaching. This year 77 teachers were deputed to participate in these PAC Programmes.

(4) **Central Institute of Hindi education, Hyderabad.**—This Institute organised a training course for Hindi subject secondary teachers at Parbhani, Sindhudurg, Solapur and Nashik. 190 teachers were participated in this training.

III Seminars

Regional Institute of Education, Bhopal.—A Seminar was organised by R. I. E., Bhopal about Marathi Teaching Methods from 25th June 2002 to 27th June 2002 at M. S. C. E. R. T., Pune. 10 teachers participated in this seminar.

IV Publication

(1) This Section published 'Lipik Margadarshika' with the help of Jeevan Shikshan for clerks.

(2) A Hand-book for Mahatma Phule Education Guarantee Scheme, kendra Swayamsevakas.

1.2 Research Section

Introduction

MSCERT being the State level institute the Research section plays a vital role in the field of educational research. It suggests various solutions on the educational problems by implementing research on the problems. This is the pioneer section of this Council which was established in 1964.

Objectives

- (1) To sponsor action research on various educational problems.
- (2) Stimulate teachers to take up educational research.
- (3) Introduce teachers with various methods of research.
- (4) To make suggestions to Government on educational problems through educational research.
- (5) To co-operate other agencies in the field of educational research.

Following activities were undertaken during the year 2002-2003.

1. Financial Assistance Scheme

During the year 130 Kendrapramukhs are given financial assistance of Rs. 3000 to complete Action Research Projects based on various educational problems. This Scheme is assisted financially through S. S. A. Scheme (Sarva Shiksha Abhiyan).

This programme aims at stimulating teachers to solve their curriculum and Co-curricular problems through media of Action Research.

2. Action research Workshops

In three workshops each of five days duration following subjects are covered.

- (1) Concept and Introduction of Action Research
- (2) Problem Selection
- (3) Sample Selection
- (4) Use of Statistics
- (5) Use of graphs
- (6) Proposal Writing
- (7) Report
- (8) Modern Trends in Research
- (9) Models in Teaching
- (10) Interprocess in Teaching

Experts oriented 130 kendrapramukhas on above subjects.

In the year 2002-2003, 130 Kendrapramukhas attended Action Research Workshops.

3. Affiliated Research Institute

This council is affiliated to University of Pune as a Postgraduate Research Institute Since 1965. Ph. D. (Education Students) take the benefit of the rich Library of the Council.

4. Publications

25,000 copies of the booklet " Action Research at Primary Education Level " are published and distributed to upper primary schools in the state.

5. " Shaikshanik Vichar Sanvardhan Mandal " is working to introduce new ideas, trends, innovations in education. Experts deliver lectures on different selected topics to the staff of SCERT, D. Ed. Colleges, and D. I. E. T.

1.3 Extension Service Section

In the year 1971, Extension Service Section was established in the Council. The basic objective behind the establishment of this Cell was to take positive steps in the qualitative improvement of primary and secondary schools mainly by providing inputs of training for the teachers. The Section now indulges providing the technical aspect of training in the areas of teaching-learning of secondary school teachers, conducting statewide competition for teachers on innovative ideas and practices in school education, providing grant-in-aid to subject teacher associations and above all.

To gear itself to provide learning inputs with the change or/and alterations, modifications in the curricula for primary and secondary schools. This year rather than finding innovations only in the schools, the section has embarked upon the activity of a novel programme named as " Council's Educational Laboratory for Primary and Secondary Schools in Pune District". It is needless to say that in all above mentioned activities, the section has achieved meritorious heights.

Objectives

- (1) To effectively facilitate meaningful teaching-learning process at primary and secondary level.
- (2) To enable teachers to identify with new ideas, concepts and trends in the process of education.
- (3) To identify educationally backward or remote blocks in the State and to provide training programmes or organize workshops for primary teachers of such blocks.
- (4) To identify and recognize the innovative practices adopted by teachers in primary and secondary schools and to highlight them for the benefit of the teaching community.
- (5) To effectively monitor the functioning of District Extension Service Centres and Subject Teachers Association.
- (6) To organize workshops for co-ordinators of Extension Service Departments in the State towards enriching the teaching experience.

Activities

1. Extension Service Centre for Primary Education

Under this activity, 78 primary schools of Mawal block in Pune district was the target area for the activities for the year 2002-2003. Various workshops were arranged for production of locally available material, teaching aids, puppets, Geetmanch, work experience programmes and effective guidance for the scholarship examinations. In short, all the vital inputs of training and learning were provided in this block throughout the year through 12 programmes. Teachers were encouraged to learn and enhance their experience with the positive teaching in this block.

2. Extension Service Centre for Secondary Education

There are 28 District Extension Service Centres functioning in the State with the grant-in-aid of Rs. 2000 per centre. This year, the co-ordinators of all such centres were invited for workshop-cum-training programme for enriching new areas which have been included in the secondary school syllabus and through them a week long training programme was conducted in all the districts of Maharashtra for the teachers in secondary schools for whom these ideas were a new inclusion in the syllabus. The impact of such an activity was very positive and the training programme was welcomed by the teaching community.

3. Competition on innovative practices in School education

Teachers in their own rights keep undertaking various activities and programmes for improvement of the quality of education in their subject. Through this programme, the section tries to identify such innovative programmes statewide. The teachers are invited in an open competition to submit in detail their innovative programmes through a state level competition, at the end of which 10 teachers from primary and secondary section are awarded prizes and their innovations are brought to the notice of the teaching community in the State through write-ups and also their innovative ideas.

4. Subject Teachers' Association

In the secondary education, subject teacher is a very important person because his teaching affects the multitude of students under his charge. To facilitate interaction amongst the teachers of the same subject, the associations are provided grant-in-aid of Rs. 14,000 p. a. It is supposed that through this grant they organize statewide or regionwise programmes for enriching teaching-learning process in that particular subject. They are also supposed to print and circulate a quarterly bulletin of their activities which includes articles from senior or innovative teachers in that subject. There are 10 subject teachers associations actively working in the state at the moment.

5. All India competition on innovative practices and experiments for school teachers and teacher educators.

The NCERT, New Delhi organizes such competitions with the help of SCERT. The information brochures of such competitions are circulated through Extension Service Departments and DIETs throughout the State encouraging teachers to participate in this competition and bring laurels to the effective teaching-learning process being practised in the State.

6. Council's Educational Laboratory

For effective implementation and testing of various educational activities suggested by the Council, 20 primary and 5 secondary schools in Pune metropolitan area and rural area are identified. Frequent visits by the liaison officers nominated for such schools and also meeting across the table of the Headmasters and Officials of the Council, promotes the participation and healthy exchange of ideas and problems. Through this programme, the Council would like to ensure the impact created by its activities before they are launched at statewide level.

7. Publications

(A) Training module for secondary school teachers training

To organise the training programme effectively, a training module was prepared. Two workshops were organised to prepare the training module. The training module was distributed to the state level and district level resource persons.

(B) Printing the booklet of selected innovations

Some selected and awarded innovations from last few years were edited by the experts for this purpose. The booklet containing these innovations will be printed and will be distributed to DIETs, all E. Os and B. E. Os.

(C) Tool for impact study of Extension Service Centre for Primary Education

For this activity Mawal Block of Pune district was selected. To develop a tool for impact assessment one workshop was organized. Sufficient copies of format were developed and printed. Some officers from SCERT, Officers of Mawal Block and cluster heads of Mawal visited the schools. They filled up the format. Report writing based on these formats will be done by the experts.

1.4 Publication Section

The Publication Section is in existence Since 1964. The magazine named "Jeevan Shikshan" is published at 5th day of every month by this Section. It is recognised as a mouth piece of School Education Department. This magazine enjoys a glorious tradition of 140 years.

This magazine successfully serves the purpose of spreading educational thoughts and giving information to primary schools all over the state. It publishes various articles on Government Policies of Education, new trends in education, innovative activities in education, changing educational technology and other important issues related to quality education.

The Section also publishes the various types of educational material like teacher handbook and training modules developed by other Sections of M.S.C.E.R.T.

In the year 2002-2003 five special issues of Jeevan Shikshan are published :

- (A) (1) Navopakram Competition--(April 2002 issue)
- (2) Smart P. T. --Std. III English (May-June 2002 issue)
- (3) Primary School Certificate Examination--(Sept. 2002 issue)
- (4) Audio-visual Educational Aid Production--(Dec. 2002 issue)
- (5) Primary School Certificate examination (Feb. 2003 issue)

(13) The following educational material developed by other sections of MSCHT was published in the year 2002-2003

- (1) Mahatma Phule Shikshan Pramit Y. and Handbook for Volunteers of the centre
- (2) Handbook for Clerks
- (3) Population Education--News Letter (August 2002)
- (4) Handbook for Principals Teachers in Junior College of Education
- (5) Self learning material for Std. I-2 Language and Maths Teacher handbook
- (6) Question Bank for Std. I Language and Maths
- (7) Question Bank for Std. II language and Maths
- (8) Action Research at Primary Education Level
- (9) Primary School Certificate examination std. (IV)--Handbook for Resource Persons
- (10) Folder for M.S.C.E.R.T.
- (11) Training module for std. Vth English

1.5 Evaluation Section

1. Background and Objectives

The major objective of the section is to bring about improvement in the evaluation procedures of students achievement, especially at primary Level.

The Competency based Primary Education Curriculum 1995 and revised text books were introduced since 1997 in a phased manner. For effective implementation of competency based curriculum, the Section develops teaching-learning material and organises number of training programmes for primary teachers, CPS heads and Supervisory functionaries

2. Objectives

- To study the educational evaluation process at primary level and suggest improvements
- To develop tools and guidelines for continuous comprehensive evaluation process
- To develop objective based/competency based tests for the guidance of the primary teachers
- To develop material for qualitative improvement in teaching-learning process at primary level.

3. Achievement survey of the students in Std. III and IV (UNICEF Assisted project).

During the year 2002-2003, achievement Survey for the students in Std. III and IV in Language and Maths was undertaken by this Section. The main objective of this survey was to test the effectiveness of implementation of competency based curriculum, in the State. 15000 students from 7 selected districts were tested under this project. Report writing is in the process.

4. Training of primary teachers

Two days training programmes were organised on State, Region, District and Taluka level for the primary teachers, teaching to Std. IV, during the year 75000 teachers were benefited through this training. The objective of this training programme was to orient the teachers regarding competency based curriculum for effective teaching-learning process, continuous comprehensive evaluation and remedial teaching.

Activities completed during the year 2002-2003

1. Development of teachers handbooks on self learning activities for std. II.

The Section has developed two handbooks on self learning activities for Std. II in language and Maths. A number of self learning activities are given in these books, with the help of these activities, students are able to achieve the mastery level on the competencies. Accordingly, these handbooks are useful for effective teaching learning evaluation process and remedial teaching.

2. Development of competency based question-bank

The primary teachers require guidance about framing competency based questions. Considering the need, evaluation. Section has developed the question banks for Std. I and II in language and Maths.

For testing of competencies, various types of parallel question sets are included in the question banks. These books are useful for framing the competency based tests. As well as with the help of these question banks teaching learning process and evaluation process will be improved.

- [illegible]

1. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

Sr. No.	Category	Estimated No.	Actual No.
1	Primary Teachers	12377	12380
2	Secondary Teachers	4050	4052
3	C.C. Unit	3040	3040
		19467	19472

- (1) The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.
- (2) The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.
- (3) The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.
- (4) The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

Syllabus and Training module

- (A) Syllabus and Training module for the State Government and Central Government schools in the year 1997-98.
 - (B) Syllabus and Training module for the State Government and Central Government schools in the year 1997-98.
- At the end of the year, the following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

1.7 D Ed College Training Branch (34 T)

The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

Objectives

- (1) To give First year D Ed Course admission in all D Ed Colleges in the State

Admission is given to the first year of the D Ed Course in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

(2) Inservice Training Scheme

The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98. The following table shows the number of teachers employed in the State Government and Central Government schools in the year 1997-98.

(3) Primary Extension Service Centre

These Primary Extension Service Centres are handed over to Maharashtra State Government by Central Government. Out of which one is Governmental and two are Non-Governmental. Extension Service Centres 100% salary grant is given to these Centres by State Government of Maharashtra.

(4) District Institute of Education and Training

As per national Education policy District Institute of Education and Training is established in every District. Objective of this scheme is to improve quality of the teachers training. Training facility is available at district level. Funds are provided for civil work and purchase of equipments to those institutes.

1.8 Curriculum Development Unit

Curriculum Development essentially is a ceaseless process of searching for qualitative improvement in education in response to the changes taking place in the society. It is not a static but a dynamic phenomenon. A meaningful Curriculum has to be responsive to the society, reflecting the needs and aspirations of the learning.

Curriculum development is a total process in which different components such as formulation of a curriculum policy, curriculum research, curriculum planning, its implementation and then its evaluation play an important role.

At national level N. C. E. R. T. is functional in this regard while at state level the responsibility is over state council of educational reaserch and training, Pune.

Curriculum Development Unit is established in the year 1975-76.

Objectives

- (1) Preparation and renewal of Primary Education Curriculum.
- (2) To give knowledge/rationale behind the revised curriculum to primary teachers.
- (3) To develop educational material for training.

Projects / Schemes during 2002-2003

A Primary meeting was held last year to finalise the implementation strategy of National Curriculum for School Education 2000. Accordingly a questionnaire was prepared to find out the expectations, aspirations of people from different strata of the society. An open forum cum 3 day seminar was held in the month of November regarding curriculum policy and implementation. Hon. Education minister presided over the function. Scientists, Experienced teachers, Public representatives, (MPs, MLAs, MLCs) Educationits, Common men were invited for the seminar. They were asked to comment critically on Examination system, Language policy, Evaluation methods, Value education etc. They expressed their thoughts, opinions regarding the curriculum through their speeches, as well as through the written questionnaire. All questionnaires were processed and the editing is over now. A final draft consisting of these expectations, comments, opinions is ready now. All the points in this draft will be taken into consideration while preparing the new syllabus of Maharashtra state.

Environment education through School system.--a pilot project by Ministry of Environment and Forests was implemented in 100 schools of Pune district.

Being the first project of its kind as well as first project by another ministry (not by MHRD) it took little long for the planning of project. A complete plan for whole year was chalked out during the month of April 2002.

'Environment should not be introduced as a separate subject' is the strategy behind the project. Thus the basic approach deffered from the earlier enterprise was that the subject Environment was to be taught in integration to the subjects like Science Geography. History, Civics and the mother tongue of the State. The text book bureau published Green (environment content rich) textbooks.. While Handbooks were provided by MSCERT as their reference Guides. Handbooks were made available to the teachers in the begining of the academic year. Design of the handbook, subject authors meetings, draft corrections, proof readings and final printing all these things were completed in a record time of one and 1/2 months.

Two workshops /meetings for educational administrators were arranged attended by extension Officers, cluster heads and by District Education Officers and Block Education Officers too.

The majour activities envisaged under the project were training of Master trainers followed by teacher training. One teacher per subject from every school was trained during the workshop. Massive and intensive training programmes for almost 500 teachers under the project schools were organised in two sessions, viz from 18 to 20 july and 25 to 27 July. These programmes were conducted at 3 places viz Pune, Baramati, Rajgurunagar. These venues were selected keeping in view the factor of geographical vicinity so that it was convenient for the participants to attend the programmes from 10 a. m. to 5 p. m. every day.

Afterwards Ministry of Environment and Forests planned to implement GLOBE programme in these 100 Schools. Accordingly one teacher from every school (preferably a science teacher) was given the training for GLOBE Protocols. 50 teachers were trained during the first phase in August. Second phase training was conducted in October for the rest 50 teachers.

Identification numbers have been allotted to every School as per the Global position of the School (Co-ordinates- lattitue and longitude). All the 100 schools were visited by SCERT officials to finalise the co-ordinates with the help of GPS receiver. Also the review of the project was taken during these visits in months of December 2002 and January 2003.

Development of the Syllabus of English language for standards 5 to 8.

Students entering 5th Standard this year (i. e. in June 2003) will have a different set up of English language than previous batches. Accordingly the teachers teaching to 5th standard were trained and a handbook prepared by C. D. unit was given to them as a reference material. First the DIET lecturers were trained in order to train the large no of teachers in respective districts. English language committee members acted as resource persons during the training of DIET personnel.

C. D. unit prepared the Syllabus of English language for standards V to VIII this year.

People raise many queries doubts regarding the curriculum and Syllabus. Even M. P. S. MLAs raise the questions on the floor of the house. C. D. unit organises meetings, workshops, of experts to satisfy the queries.

NCERT has published 'A National Curriculum Framework for School Education 2000'. The Supreme Court in September 2002 gave a green signal for its implementation. After that RIE Bhopal arranged many workshops explaining the rationale behind the new curriculum. C. D. unit always participated in conduction of these workshops in Maharashtra.

Voluntary agencies proposals of grants for Yoga and Environment Schemes are scrutinised in C. D. Unit and then recommended if needed.

1.9 Occupational Education and Training Branch (O. E. T. Section)

Since 1968 Occupational Education and Training Branch has been established in the "State Institute of Education". (Old name of SCERT)

Objectives of Section

- (1) To arrange the training programmes on value education on the state level and district level.
- (2) To develop the material before training programmes and arrange the meetings, seminars etc. for that purpose.
- (3) To publish the material and distribute to related persons.

Activities

Value Education

- (1) In the year of 2002-2003 Section arranged the training programme on value education for Kendra Pramukhs at district level for 40 Kendrapramukhs of each district i. e. Gondia, Akola, Washim.
- (2) One day Seminar on value education was arranged for 100 persons in Maval Taluka, District Pune.

1.10 Tribal Dialect Project

(1) Conversation books in Bhilli, Kolami and Madia Gond has been completed for Std. I particularly for the teachers of Nandurbar, Yeotmal and Gadchiroli districts.

(2) Charts of Maths and language (Tribal Dialect) has been prepared and already distributed to districts i. e. Yeotmal, Gadchiroli and Nandurbar.

(3) A meeting of principals of DIETs of Thane, Yeotmal, Amravati, Dhule and Gadchiroli has been called to decide what educational aids in future will be useful and how to use it.

(4) A work plan of 2003-2004 has been prepared and sent to Maharashtra Prathamik Shikshan Parishad, Mumbai for its Final approval. After the approval of M. P. S. P. the programmes will be organized.

(5) A Plan for the appointment of Project Officer has been sent to M. P. S. P. for its final approval. After the approval the appointment will be made;

1.11 WOMEN EDUCATION CELL

The Action Plan of Government of Maharashtra emphasizes the point of girls' education and as per the Government Resolution No. P. T.C/1090/491 (247/90) prashi-5, dated 23 September, 1990, this Cell has been established to achieve the goals envisaged in the Government of Maharashtra's Action Plan. The first goal of this Cell is to create wide-spread awareness about the Girls' Education. Secondly, it also deals with finding out ways in solving the problems and difficulties regarding Girl's education, creating awareness in the parents about the importance in the girl child, education is one such way through which we feel that the impasse can be broken. The Cell does not only aim at bringing the girl child to the school, but once she is in the School, she must be retained as a student to achieve minimum level of SSC if not beyond.

Activities of the Cell

- * Creating awareness is not important, but at the same time to sustain the movement in a proper perspective, certain teaching-learning material will have to be provided to retain the child in the Class-room and intensify her interest in learning process. As such, publishing of teaching aids, handbooks is of prime importance.

- * In the near past, though there has been substantial rise in the number of girls students, the approach opinion and attitude of teachers who are instrumental in imparting the knowledge also have to undergo on supportive attitude Change. In such atmosphere, concentrated efforts in the field of moulding and forming of attitudes of teachers community is one of the objective for this Cell.

- * Needless to say, to conduct programmes for enrolment of a girl child and her retention in the Class-room.

- * To organize and establish Mahila Prabodhan Kendras with the help of Central Schools (Kendra Shalas) in the villages and to provide them guidance as and when they require.

- * To organize programmes and activities at the village level to remove the gender bias in all the active participants of the society viz. parents, social workers, teachers.

- * Celebration of important days e. g. Balika Din, International Women's Day and Awareness Week in order to sustain the changed atmosphere and strengthen it over period of time. In the year 2002-03, many programmes were also conducted in this regard with the sizable financial input provided by the UNICEF.

Mahila Prabodhan Centres

According to the census of 1991, 103 blocks were identified where the women's literacy rate was lower than that of the national average. The Cell has identified 27 blocks in the State where Mahila Prabodhan Kendras were established.

Sr. No.	Name of the District	Name of talukas
1.	Solapur	.. Sangola, Mangalwedha, Karmala, South Solapur, Mohol, Akkalkot.
2.	Pune	.. Velhe
3.	Satara	.. Man
4.	Raigad	.. Sudhagad
5.	Sangli	.. Jat, Atpadi
6.	Kolhapur	.. Gagan Bawada, Shahuwadi
7.	Buldhana	.. Lonar, Sindhakheda Raja, Deulgaon Raja
8.	Amravati	.. Dharni, Chikhaldara
9.	Washim	.. Malegaon, Manora, Risod
10.	Nagpur	.. Mouda.

Five villages from each of these blocks were selected where the attendance of girls was alarmingly low for providing academic support through these kendras.

A training programme of a week's duration was organized in the month of September, 2002 where 135 kendra sanchalikas were given training in different fields viz importance of Girl's education, sex education, educational challenges of teenage and privileges of women. The effectiveness of this programme has been closely monitored on the given parameters. Video cassettes and Video films were also provided to these Mahila Prabodhan Centres along with the token grant of Rs. 1000 to organize ongoing activities in the centre. Field programmes were arranged in Pune and Pandharpur to have the feel of field activities and effectiveness of this programme.

Mawal taluka was identified as an intensive working block for extension services of this Cell. 57 Mahila Prabodhan kendra Sanchalikas were identified and trained and after a year's work, the impact shown by their activities was encouraging and the UNICEF also has applauded our efforts in this direction and has shown the willingness to participate in such programmes in future too.

1.12 CORRESPONDENCE COURSE UNIT

Correspondence Course Unit was established as per Government Resolution No CVT/1073/8334, dated 4/10/1973 and actually started working from February 1974.

1. Objectives of the Scheme

The main object of the Scheme is to train untrained primary teachers who are working in recognised schools having Classes upto Std. VII.

2. Syllabus

The D. Ed. Correspondence Course is of two years duration. The Syllabus is prepared by State Board of Teacher Education of Maharashtra State Council of Educational Research and Training, Pune-30 and approved by Government of Maharashtra.

3. Procedure for Admission

Admission Notification is published in major local newspapers and also announced on Radio and T. V. A copy of the notification is also sent to all Education Officers (Primary).

Normally admission forms are invited from candidates by 31st December of every Year. The admission forms are submitted to the Education officer (Primary) along with true copies of the documents regarding educational qualifications, service record etc.

After scrutinising the forms the Education officer (Primary) submits them to Regional Deputy Director of Education. Regional Deputy Director after his recommendations, submits these forms to Correspondence Course Unit, MSCERT, Pune. Finally C. C. Unit after scrutinising these forms prepares the list of eligible candidates for admission to this course. The first 28 days session starts in the month of May.

4. Training and Guideline Programme

In every district there is one Training and Guideline Centre. Normally in each of the centre about 60 candidates are given admission. The candidates are instructed to complete practical work in pedagogy and teaching methodology, Work-Experience, Knowledge in specific subjects is also given. In this session, 6 lectures and discussions are broadcasted on Radio by Akashwani. Specially prepared handbook is supplied to all the trainees. Participants are also instructed to take the benefit of the library at the training centre. Every candidate has to complete two sessions of 28 days before and after Diwali Vacation.

5. Learning Material

Every candidate is supplied with 4 to 5 sets of learning material. The Candidates after solving these sets of self learning material have to send it to training centres for evaluation.

6. Diploma in Education Examination

After the completion of the essential work of correspondence course, participants are allowed to appear for D. Ed. final Examination. This examination is conducted by the Maharashtra State Examination Council, Pune.

7. Upto now 53832 Primary untrained teachers of recognised primary schools took benefit of this scheme since 1974.

1.13 Early Childhood Education

It is proved that age group 0 to 6 is the most significant in the life of child. In this period overall developments i.e. cognitive, physical, socio emotional and language development take place rapidly. If the child gets proper educational environment, he will grow in proper way and the education which he gets in this age affects his future life and retains for ever. Hence it is said that the good habits, as well as in order to socialize the children, he must be given different kinds of rich and varied experiences.

Brain develops rapidly in this period and the child learns many more skills easily. So scientifically early childhood education is the most important for all round development of child. It is also helpful for achieving the national goal of universalization of primary education. It is also useful to stop stagnation and wastage.

Keeping this importance of Early Childhood Education in view, the State Government has adopted policy to open Balwadies. It is also necessary to acquaint the Balwaditai with the new current problems in Early Childhood education, hygiene of the child, impediment in his learning process and easy teaching learning methods of Early Childhood Education.

Objectives of the scheme

1. To strengthen pre school education component in ICDS.
2. To train resource persons for district level training programmes.
3. To provide a common forum to Government WCOs to work co-operatively for strengthening and expanding Early Childhood Education in the State.
4. To prepare material for training of functionaries working in the scheme and for mobilization of community.
5. To train resource persons for school readiness programme.
6. To evaluate ECE components developed and introduced in the ICDS programme.
7. To enable the teacher particularly balwaditai to take interest in ECE.
8. To introduce new techniques, technology, methodology to Balwaditai, Balwadi teacher.
9. To arrange actual practical work of teaching.
10. To arrange visits to model balwadi, anganwadi etc.
11. To enable the teacher to prepare teaching-learning aids and to teach him how to use them in his day to day teaching-learning process.
12. To study principles and objectives of child education and child development.
13. To give knowledge in principles of the history and nature of Early Childhood Education.
14. To make aware of proper knowledge and action regarding food and hygiene of the children.
15. To give information about child welfare institutions, information about measures to overcome handicapped.

Keeping in view the above objectives, SCERT has arranged various programmes throughout the year 2002-2003.

Planning of districtwise programme is as follows :

The Section has arranged Balwadi Tai Training Courses of five days having intake capacity of forty (40) each with the help of concerned Education Officer, (Primary).

Sr No	Name of the District	Budget provision	Date	Remarks
1	Pune	8000	26-8-2002 to 30-8-2002	40 Balwadi Tai
2	Nashik	8000	17-9-2002 to 21-9-2002	
3	Kolhapur	8000	7-10-2002 to 11-10-2002	
4	Sangli	8000	25-11-2002 to 29-11-2002	"
5	Dhule	8000	9-12-2002 to 13-12-2002	"
6	Raigad	8000	16-12-2002 to 20-12-2002	"
7	Wardha	8000	6-1-2003 to 10-1-2003	"
8	Jalgaon	8000	11-2-2003 to 15-2-2003	"
9	Washim	8000	24-2-2003 to 28-2-2003	"
10	Nandurbar	8000	4-3-2003 to 8-3-2003	"
11	J. P. Naik Centre, Kothrud, Pune-30.	1,20,000	10-3-2003 to 13-3-2003	26 Balwadi Tai
12	J. P. Naik Centre, Kothrud, Pune-30.	1,20,000	17-3-2003 to 20-3-2003	29 Balwadi Tai

The Section has received only Rs. 80,000 Budget provision in the Financial Year. Training of Balwadi Tai was arranged in 10 districts mentioned above, with the help of District Education Officer, Primary in which near about 400 Balwadi Taies were trained.

M. P. S. P. has granted Rs. 2,40,000 (2 Lac, 40 thousand) for two programmes of Balwadi Tai. These Balwadi Taies who have received training in J. P. Naik Centre, Kothrud will arrange training programmes in their districts and work as resource persons.

GEETMANCH

The main thing about education is that it should be child centered, so also it should be joyful. In order to create joy in education, various programmes have been undertaken by State Government. One of such efforts is Geetmanch Scheme.

The great musician Yeshwant Deo gave his valuable contribution to this Scheme and because of his continuous efforts, the scheme of the Geetmanch in a very short period spread throughout the State and made its influence on teachers. Under the Chairmanship of Late Vasant Rao Desai, the State Government has started the scheme **Ek Sur Ek Tal**. Nearabout 15 songs were selected and Mr. Deo composed 15 songs in such a manner that children should take interest in it and sing it spontaneously and with joy and recital them.

Patriotism, brotherhood and fraternity and as well as love for democracy and faith in values, love for his family and to respect others as well as elders are the backbones of national life. The songs in Geetmanch are selected in such a manner that all abovesaid values should reflect in it and the students should feel joy while singing it. Sweet and rhythmic melodies are selected in order to create harmony and the child should take interests in those melodies.

Objectives of the Scheme

- (1) To train state level resource persons.
- (2) To create national integrity, brotherhood and fraternity, love for democracy in students by organising various programmes like Geetmanch.
- (3) To enable the students to take interest in sweet melodies and feel joy in it.
- (4) To create the feeling of patriotism, brother-hood and love for his society and neighbours.
- (5) To develop social minds through social songs.
- (6) To train district level resource persons. The Section has received the grant of Rs. 1 Lac. in the financial year 2002-2003. 50 Training Programmes of Geetmanch were arranged in 7 regions.
- (7) To organise district level programmes with the help and co-operation of Education Officer (Primary).

The Section has received the grant of Rs. 1 lac in the year 2002-2003. The grant is distributed to seven regions. The grant of Rs. 14,000 is given to each region to organise Geetmanch Programmes. A State level programme was also organised by the Section in which new songs were introduced and new tunes were also introduced with the help of resource persons.

The Section has provided its services to other Sections also, particularly SMART P. T., Extension Service and OET.

Following programmes were undertaken throughout the year 2002-2003 :-

- (1) The training programme arranged by Extension Service at Wadgaon Maval.
- (2) One State level programme at SCERT.
- (3) Seven region level programmes were organised with the help of Regional Deputy Directors.

During the financial year the grant of five thousand, (5000) was allotted for the repair of physical instruments and to purchase new musical instruments like Bongo, Ghungaru etc.

Seven regional level programmes of Geetmanch were organised with the help of Primary Education Officers at various districts as follows.

1. Kolhapur	.. 6-8-2002 to 8-8-2002
2. Nashik	.. 22-10-2002 to 24-10-2002
3. Aurangabad	.. 15-1-2003 to 17-1-2003
4. Amravati	.. 24-9-2002 to 26-9-2002
5. Mumbai	.. 18-12-2002 to 20-12-2002
6. Nagpur	.. 26-11-2002 to 28-11-2002
7. Pune	.. 5-2-2003 to 7-2-2003

State Level Course

This Section has published a booklet of 15 songs and distributed it to teachers and resource persons. A master cassette is also prepared and distributed to the teachers and resource persons.

1.14 Sarva Shiksha Abhiyan

Sarva Shiksha Abhiyan is a timebound programme undertaken by Central as well as State Government to achieve the goal of universalisation of Primary Education by enrolment of every child of the age group 6-14 and by providing them with quality Primary Education. The programme is being implemented since 2002-2003

Under Sarva Shiksha Abhiyan the areas are as follows :--

- (1) Teachers Training
- (2) Research and Evaluation
- (3) Training of the Supervisory Officers
- (4) Girls Education
- (5) Training of the Community Leaders
- (6) Elementary Education
- (7) Education of the Children of Scheduled Caste and Scheduled Tribe have entrusted to this Council.

For effective implimentation of the programme Sarva Shiksha Abhiyan Cell has established in the Council.

General responsibilities entrusted with the Cell are as follows.

- (1) Preparation of Annual Work Plan / Perspective Work Plan Proposals.
- (2) To Plan the Workshops / training programme according to above Work Plans.
- (3) To co-ordinate the programmes.
- (4) To prepare consolidate report of the programmes and to send it to M. P. S. P., Mumbai.
- (5) To prepare expenditure report of the programmes.
- (6) To nominate the Officers and Teachers for National level training programmes, Camps and Workshops under S. S. A.

Programmes of the Year 2002-2003

(1) Orientation of M. S. C. E. R. T. Officers

State Project Director, M. P. S. P. and Director and Joint Director of this Council oriented the Officers of M. S. C. E. R. T. regarding Objectives, Mode of Implementation and Work Plan of various programmes under S. S. A.

(2) Preparation of Annual Plan 2002-2003

Under S. S. A. Annual Plan 2002-2003 regarding the areas namely :-

- (i) Teachers Training
- (ii) Research, Evaluation, Supervision and Monitoring
- (iii) Training of the Community Leaders
- (iv) Innovative Activities.
- (v) Management

The Plan was prepared and proposed to the M. P. S. P., Mumbai for approval. This annual plan includes 37 programmes like SMART P. T., Std. IV English, Action Research, Development and Competency based test, Training of VEC Members etc.

Financial Provision required for the Work Plan is Rs. 17 Crores.

(3) Perspective Plan 2002-2007

Perspective Plan of the programmes to be conducted during 2002-2007 was prepared and proposed for the approval to M. P. S. P., Mumbai. This Work Plan includes 74 programmes of the areas namely :-

- (1) Teachers Training
- (2) Research, Evaluation, Supervision and Monitoring
- (3) Training of the Community Leaders
- (4) Innovative Activities
- (5) Management

Financial Provision required is Rs. 59.17 Crores.

Other General programmes

- (1) Orientation of M. S. C. E. R. T. Officials regarding S. S. A.
- (2) Organisation of State Level training programme regarding School Certificate Exam. Module.
- (3) To define Criteria and Standards of Quality Primary Education. Work Shops were organised with the UNICEF assistance.
- (4) Training Module and Curriculum of all subjects have developed for Mahatma Phule Education Guarantee Scheme Volunteers.
- (5) Participation in the National Educational Plan Conference, 2002.
- (6) Preparation of time-table and detailed Plan of Gatsammelans during 2002-2003.
- (7) To prepare the Plan of the programmes under various areas viz. Teachers Training, Research Evaluation, Supervision and Monitoring, Training of Community Leaders, Innovative Activities a work shop was organised in the council during 13th to 15th February with the assistance of R. I. E., Bhopal.
- (8) To prepare detailed Plan of Teachers Training a work shop was organised during 26th to 28th February in the Council.
- (9) To prepare microplan of Teachers Training and other areas a work shop was organised during 10th to 14th February 2003 at Balbharati, Pune-4.

1.15 Library Section

Maharashtra State Council of Educational Research and Training, Pune has a well established Library in its Premises. Over a period of time the library has acquired latest books on education published in India and abroad since its inception in 1964.

Library subscribes Educational Journals for latest information in the field of Education. To provide effective training, Library uses video equipments.

In the Library 75 % books are available on Education and related to education and 25 % books on other Subjects. Library also has books of NCERT, SCERT, UNESCO Publications.

Library also has last 15 years volumes of Educational Journals. e. g. "Jeevan Shikshan" etc. and Report of Director of Public Instruction of 100 years back.

Objectives of the Library

Main objective of the Library is to provide latest references through Books, Educational Journals and Newspapers.

Library provides references to prepare a syllabus for Std. I to VIII and also that of pre-primary level of education. Library provides documentation service through newspaper clipping for latest information in the field of Education.

Library Position

(1) Books--22631 out of which 77 books are received from D. P. E. P.

(2) Journals --35 Educational and General Subjects.

(3) Ph. D. and M. Ed. Level Dissertations --300

Library also has video cassettes on various subjects and daily Newspapers i. e. Times of India, Indian Express, Sakal, Loksatta, Maharashtra Times in English and Regional Languages.

Library Users :-

(1) Director, Joint Directors, Deputy Directors and all Staff of SCERT, Staff of Institute of Vocational Guidance and Institute of Audio-Visual Education, Pune-30. take benefit of this Library.

(2) SCERT conducts various Training Programmes for the District Education Officers, Extension Officers, Trainees of Financially Assisted Scheme. All such Trainee who attend these training programmes avail the Library facilities.

(3) Interested Primary and Secondary School Teachers, Principals, Ph. D. (Education), M. Phil (Education), M. Ed., B. Ed., D.Eds. Students use this Library occasionally.

This Library also provides references for preparation of various books which are published by MSCERT.

Library also has T. V. and V. C. R. which is used to show educational video cassettes.

Library will provide following services/facilities :-

(1) Current Awareness Services

(2) Current Content Services.

2 ALLIED STATE LEVEL INSTITUTES

2.1 STATE INSTITUTE OF SCIENCE EDUCATION, RAVINAGAR, NAGPUR

INTRODUCTION

State Institute of Science Education was established at Pune in 1968. The Institute was working at Pune upto 1968. Then it shifted to Nagpur in April 1980.

The Institute works hard for the achievement of the objectives such as (a) Conducting inservice orientation courses in Maths and Science for the Teachers Teaching at Primary, Secondary and Jr. College levels; (b) Abreasting them the modern methods of Science teaching, to develop the scientific temper, mental and physical skills, to develop scientific innovations, guidance camps in N. T. S. and scholarship examinations; (c) To provide Science Kit Boxes, Science Material and Books for Library to the Primary and Highschool and Jr. Colleges under the Centrally Sponsored Scheme.

2. Infrastructure of the Institute

The Institute has 4 main departments viz :--

- (1) Physics (with laboratory)
- (2) Chemistry (with laboratory)
- (3) Biology (with laboratory)
- (4) Mathematics department

The administrative as well as academic work is nicely co-ordinated by Director, 2 M. E. S. Class I Officers, 4 M. E. S. Class II Officers and 6 Science Supervisors. The other Official staff includes 1 Class II Superintendent and 13 Class III employees and 7 Class IV employees. The Institute administers different science activities in the state with the co-operation of the Science Consultants at Divisional level and Science Supervisors at District level.

3. Objectives of the Institute

- (1) To organise inservice courses for the science and maths teachers to develop the teaching skills
- (2) To develop scientific attitude and creativity in the students.
- (3) To organise guidance camp of N. T. S. E. for the students.
- (4) To develop the effective learning and teaching process through Science Kit Box.
- (5) To develop scientific attitude.
- (6) Popularisation of Science and Technology among the people.

4. Activities organised by the Institute during 2002-2003

- (1) National Talent Search Examination--State Level Students Guidance Camp-April 2002.
- (2) All India Students Science Seminar--2002.
- (3) Science Forum--2002.
- (4) Western India Science Fair.
- (5) District and State Level Exhibition.
- (6) Rural Science Club.
- (7) Centrally Sponsored Scheme of the Improvement of Science Education in Schools.
- (8) National Green Corps Scheme.
- (9) Training and Orientation Courses.

(A) Orientation of Maths Teachers in High school having S. S. C. Examination results below 20 % during March 2002.

(B) Orientation courses for Laboratory Assistants and Attendants.

(C) District level orientation courses for Urdu Medium Teachers teaching Science and Maths at upper Primary level i. e. from VIth to VIIIth std.

(D) Annual Meeting and Guidance for Science Consultants, Science Supervisors and Science Subject

Experts:

(10) Special work done by this Institute, along with other Institutes

- (a) Maharashtra State Text Book Bureau, Balbharati, Pune.
- (b) SMART P. T. 2002-2003, District level orientation programme.
- (c) SMART P. T. 2003-2004 Follow up programme.
- (d) SMART P. T. 2002-2003 to prepare article on Science and Mathematics for Std. IVth
- (e) Teleconference and meeting on teaching technique of Mathematics
 - (i) Meeting--M. P. S. P., Mumbai.
 - (ii) Teleconference--Resico Studio, Gandhinagar, (Gujarat).
- (f) National Talent Search Examination--Interview 2002
- (g) Book Review.
- (h) Government Examination Bureau, Pune--Guidance Camp on examination of std. IVth.
- (i) Rashtriya Bal Vidnyan Parishad--2002.
- (j) Marathi Bal Vidnyan Parishad--2002.

1. National Talent Search Examination

State level Guidance Camp for the students 2002-2003, duration 21st March to 30th April 2002

Venue : P. E. Society's English Medium School, Kpoari, Thane.

Sr. No.	Information of the Camp	No. of Participants
1	Number of Students attended the camp	62
2	Number of Students qualified for interview	36
3	Number of Students qualified from the Backward Classes	16
4	Number of Students selected for N. T. S. E. Scholarship	26
5	Number of Resource Persons	23

Financial Provision--Rs. 1,42,000.

Actual Expenditure--Rs. 89,412.

2. Student's Science Seminar

Duration : 6th September 2002 (One day)

Venue : S. M. High School, Kanakwali, district Sindhudurg.

Sr. No.	Information regarding Science Seminar		No. of Participants		Total
			Boys	Girls	
1	No. of Students participated at District level	..	645	675	1320
2	No. of Students participated at Regional level	..	995	84	179
3	No. of Students participated at State level	..	06	08	14
4	No. of Students participated at National level	..	01	0	01

Financial provision--Rs. 37,900

Expenditure at District level--Rs. 14,400

Expenditure at Divisional level--Rs. 4,200

Expenditure at State level--Rs. 19,300

3. Science Forum

36 Science Forum Centres have been established at district level in Junior Senior Science Colleges having well equipped science Laboratories in the state.

Sr. No.	Details of Science Forum 2002-2003	Beneficiaries
1	No. of Science Forum Centres	36 Districts
2	No. of Camps	36
3	No. of students expected	2400
4	No. of students actually participated	2400
Financial Provision--Rs. 3,11,550		
Actual Expenditure--Rs. 3,11,550		

4. Western India Science Fair

The State of Maharashtra, Gujarat, Madhya Pradesh, Rajasthan Goa, Union Territories Div-Daman and Dadra Nagar Haveli participate every year in Western India Science fair which holds at Nehru science Centre, Worli, Mumbai

Place : Nehru Science Centre, Worli, Mumbai.

Duration : 9th to 13th December 2002 (5 days)

Sr. No.	Western India Science Fair 2002-2003 Details	Beneficiaries
1	No. of participated	15
2	No. of guide teachers	10
3	No. of Projects Educational Aids Competition (for teachers)	10
4	No. of teachers	03
5	No. of Teaching Aids	03
Financial Provision--Nil		
Actual Expenditure--Nil		

5. Science Exhibition--Four Tier Scheme

Tahsil, District, State and National level science Exhibition

Sr. No.	Science Exhibition level and duration	28th Science Exhibition 2002-2003					Teaching Aids Exhibition		
		No. of Participants (Primary)		No. of Participants (Secondary)		Total	Gents	Ladies	Total
		Boys	Girls	Boys	Girls				
1	Taluka/3 days	13947	8731	12971	7851	43500	928	2299	3227
2	District/3 days	1343	826	1499	729	4397	156	367	523
3	State/5 days	73	44	88	30	235	04	31	35
4	National/5 days	01	--	03	--	04	--	--	--
Total		15364	9601	14561	8610	48136	1088	2697	3785

Financial Assistance -- Rs. 36,000
(for district level exhibition)

Actual Expenditure -- Rs. 36,000

Financial Assistance -- Rs. 1,02,380
(for State level science Exhibition)

Actual Expenditure -- Rs. 1,02,380

Balance Amount -- Nil

16162



6. Rural Science Clubs

No. of total Rural Science Clubs working in the State are 350

During 28th state level science Exhibition which was organised at Govindrao High School, Ichalkaranji, district Kolhapur. In the concluding of the science Exhibition on dated 31st January 2003 representatives, Headmasters and Science Teachers of the Rural Science Clubs were honoured with award of Rs. 500 cash and certificate. From each division 2 science clubs were selected.

Total No. of Rural Science Clubs were selected-12

Financial Provision Rs. 22,500

Actual Expenditure Rs. 22,000

Balance Amount Rs. 500

7. Centrally Sponsored Scheme for Improvement of Science Education in Schools.

This Scheme is executed in 7 districts of the state namely--(1) Wardha, (2) Latur, (3) Aurangabad, (4) Jalgaon, (5) Solapur, (6) Kolhapur and (7) Sangli. Under this scheme 1280 Integrated Science Kit Boxes for upper Primary Schools and Science equipments and science books were supplied to 2514 High Schools and Junior Colleges for the enrichment of laboratories and libraries.

Financial Provision -- Rs. 12,55,44,000

(From Central Government)

Financial Provision -- Rs. 12,10,60,556

(Via State Government)

Actual Expenditure -- Rs. 12,10,60,556

Amount Balance -- Nil

8. National Green Corps

The Scheme "National Green Corps" was implemented under the guidance and financial assistance of the Central Government and Department of Environment, New Delhi.

Financial Assistance -- Rs. 48,54,110

(From Central Government)

Actual Expenditure -- Rs. 48,54,110

Amount Balance -- Nil

9. Training and Orientation Courses

(A) Orientation of Maths teachers in High Schools having S. S. C. Examination results below 20 per cent (Plan Scheme)

As per the fax information received from the Director, State Council of Educational Research and Training, Pune on dated 25th March 2003 the financial provision of Rs. 1.20 lacs obtained to this Office. Same allotment was received late i. e. by the end of March 2003. Hence it was not possible to organise the orientation course.

(B) Training Programme for Laboratory Assistants and Attendants

As per the letter received to this office from Hon. Director, State Council of Educational Research and Training, Pune dated 23rd October 2002 amount of Rs. 76,250 was sanctioned for this training programme. but financial aid was not available during the dates when training programme was organised.

(C) District level orientation courses for Urdu medium teachers teaching Science and Maths at Upper Primary Level i. e. from VI to VIIIth Std.

As per the fax information received from the Director, State Council of Educational Training and Research, Pune on dated 25th March 2003 the financial provision of Rs. 1.40 lacs obtained to this Office. Same allotment was received late i. e. by the end of March 2003. Hence it was not possible to organise the orientation course.

(D) Annual meeting of Divisional Science Consultants, District Science Supervisors and Science Subject Experts.

Place : State Institute of Science Education, Ravinagar, Nagpur.

Duration : 17th August 2002 (one day)

Sr. No.	Details of the Meeting	Beneficiaries during 2002-2003
1	No. of expected Science Supervisors ..	27
2	No. of Science Supervisors actually ..	25
3	No. of Science Consultants present ..	06

10. Special work done by this Institute with other Institutes

(A) Participation in the meeting organised by Maharashtra State Bureau of Text Book Production and Curriculum Research, "BALBHARTI", Pune.

(i) Meeting of Science Committee-9th and 10th April, 2002. Addition of topic on 'Environment' in Text Book of General Science from 6th to 8th standards.

(ii) Meeting of Science Committee- 5th to 8th July, 2002 and 26th/28th September, 2002.

(a) General Science from 3rd to 8th Standard Standardization of text book.

(b) Reading and editing of general science text book from 6th to 8th standard-environment supplementary hand book under environment project.

(B) SMART (P. T.) 2002-Standars 3rd-District level training programme of English from 27th May to 1st June 2002 and 3rd June to 8th June 2002.

Visits to training centres, guidance, observation and evaluation.

(C) SMART (P. T.) Std. 3rd English follow up programme 23rd to 27th September 2002.

(D) SMART (P. T.) 2003-2004 Std. 4th-Participation in workshop on preparation of Science and Maths sub units, organised by State Council of Educational Research and Training, Pune under SMART (P. T.) and prepared article on Science Kit Box for teachers hand book

(E) Teleconference on teaching technique of Mathematics-meeting of Resource persons and Guidance :

1. 26th August 2002-meeting-M. P. S. P., Mumbai.

2. 4th to 6th September 2002-Teleconference-Guidance on teaching technique of Mathematics. Place Rasico Studio, Gandhinagar (Gujarat).

(F) Book Review.--Review of the Book " Mahit Ahe Kan Tula ? " Part I and II for Magazine Jeevan Shikshan ".

(G) Participation in N. T. S. E. interview programme organised by N. C. E. R. T., New Delhi at S. C. E. R. T., Pune.

(H) Government Examination Bureau, Pune participation in guidance camp in reference to 4th standard examination.

20th and 21st October 2002

(I) Rashtriya Bal Vidnyan Parishad--2002

(J) Marathi Bal Vidnyan parishad--2002

Participation and co-operation in programmes organised by Rashtriya Bal Vidnyan Parishad and Marathi Bal Vidnyan Parishad--2002.

2.2 STATE INSTITUTE OF ENGLISH FOR MAHARASHTRA, AURANGABAD

The State Institute of English for Maharashtra was established in 1965, as per the resolution of Government of Maharashtra No. STC 2285/29386/614/85 SE-4. The Institute started functioning from November 1965.

The main objective of the Institute is to extend the teaching learning of English at upper primary and secondary school level.

The Institute was functioning from November 1965 to 31st March 1986 in Bombay. With a view to covering the backlog in Marathwada region, Government of Maharashtra as a part of the development programme has shifted the State Institute of English from Bombay to Aurangabad as the order of the Department of Education and Employment Government Resolution No. STC 2285/29386/614/85 SE-4, Mantralaya Annex Bombay dated 11th December 1985. Accordingly the Institute has started the functioning at Aurangabad from 1st April 1986. As per the Government Resolution, the name of this Institute has been converted as State Institute of English for Maharashtra Aurangabad, Divisional Office of Maharashtra State Council of Educational Research and Training, Pune.

The main objectives of the Institute

To provide 'in service training' to secondary teachers.

To organise long term and short term training courses for upper primary teachers, Assistant Deputy Education Inspectors, Inspecting Officers for Secondary School, Headmasters and teachers from the upper Primary/Secondary School.

To produce support material for teaching learning.

To extend academic technical guidance to the text book bureau, educational technology cell, secondary and Higher Secondary Educational Board.

To organize the training courses in Tribal Districts for improving the standard of teaching learning of English.

The functioning nature of the Institute :-

To fulfil the main objectives the Institute has divided its working as follows :

In Service training

(i) Long term

(ii) Short term

Teachers/resource persons from tribal block/region

The production of teaching learning material.

To implement the above planning the post of Director in the cadre of Deputy Director of Education is granted for SIEM. And to carry out the training programme 5 posts of Professors, 6 posts of lecturers respectively from Maharashtra Educational services cadre A and B have been granted.

Along with the posting of Director, Professors, Lecturers, Office Superintendent Class II with sufficient staff has been granted. With their active participation the institute conducts the training at various level to achieve the above objectives.

The institute conducted long term training course of three months for High school teachers. But from the academic year of 1993-94 the department of education changed the syllabus of teaching of English which is based on communicative approach. The changed syllabus is skill based and the course book has been created with full of linguistic activities. The text books based on structural approach were practiced before 1993 for three four decades. But the students Learning English from Std. V to X for six years were not found using English in practical life. So learning English series based on communicative approach for Std. V was introduced in 1993-94 and the course books for Std. VI, VII and VIII were introduced consequently. Considering the change in the syllabus and the course books the State Council for Educational Research and Training Pune proposed to focus on arranging trainings for primary teachers. So the SIEM concentrated on the training programme for the teachers teaching English at upper primary level. Since then the Institute has been organising the training programme for the English teachers teaching at upper primary level and for the teachers from secondary and D. Ed. Colleges.

(A) Long term training course for upper primary teachers

Seven month training programmes are organised at the Institute of Teacher Education. Forty English teachers are selected for each batch from the list received from Primary and Secondary Education Officers of all the districts of Maharashtra.

The training course emphasises :-

1. The syllabus.
2. Introduction to course books
3. Skill based teaching methodology
4. Production of support material
5. Model lesson demonstration
6. Skill based evaluation

Yearly Work done report of 2002-2003

1. One month training programmes

(A) First term

Sr. No.	Duration	Beneficiaries	No. of Teachers
1	19th of June 2002 to 18th of July 2002	Primary Teachers	32
2	22nd of July 2002 to 20th of August 2002	Secondary Teachers	45
3	22nd of August 2002 to 20th of September 2002	Secondary Teachers	32
4	24th of September 2002 to 23rd of October 2002	Secondary Teachers	20
Second term			
5	25th of November 2002 to 24th of December 2002	Primary Teachers	35
6	20th of January 2003 to 18th February 2003	Primary Teachers	52
7	26th of February 2003 to 27th March 2003	Primary Teachers	33
Total			249

(B) Short term training courses for upper primary Teachers

Under the scheme of tribal sub-plan.

Sr. No.	Duration	Beneficiaries	No. of Teachers
1	19th of August 2002 to 23rd of August 2002	Primary Teachers	45

(C) Region wise short term training course for Cluster Heads

Sr. No.	Duration	Beneficiaries	No. of Participants
1	26th of December 2002 to 28th of December 2002	Cluster Heads and ADEIS	-

(D) Experts were provided to the course of Secondary Teachers organized by the Project Officer, (Tribal Project Officer Aurangabad) at Chouka in Aurangabad

Sr. No.	Duration	Beneficiaries	No. of Participants
1	9th of November 2002 to 13th of November 2002	Secondary Teachers	50

Follow up programme for Std. III English under SMART. PT. during 23rd of September 2002 to 27th of September 2002.

- (i) Review of the cassettes with books prepared by **Linguaphone Company**.
- (ii) Review of the cassettes with books prepared in the collaboration of **Loksatta and Orient Longman**.
- (iii) Arranging the meetings for the discussion on the utility of the project recommended by **Lotus Learning Company** and preparing the reports on it.
- (iv) **Material Preparation** Writing of the articles for educational magazines.
- (v) Participation in the workshop conducted in the SCERT, Pune to re-construct the syllabus of English at Higher Primary level.
- (vi) Timely participation in the conference arranged by the H. M. Patel Institute of English at Vallabh Vidyanagar Gujarat.

During the academic year 2002-2003 the Institute has conducted seven one-month training courses, three for secondary and four for primary Teachers. Through these, courses 249 Teachers have been benefited. The Institute had proposed ten one-month courses in the yearly planning submitted in the beginning, but after the transfers and the retirement of the staff the posts of lecturers and professors are vacant till this moment. Therefore, with meager resources it was not just to conduct the parallel courses.

With the same reasons the Institute was unable to reach the goal of the courses in the various part of tribal project as per the Planning. Only single course was conducted at Kinwat in district Nanded with the help of local resource persons.

The Institute also had planned the short-term courses for the Cluster Headmasters at the regional level. Due to the lack of the human resources only one course in Aurangabad Region was conducted successfully.

2.3 EDUCATIONAL TECHNOLOGY CELL, ADARSHNAGAR, WORLI, MUMBAI-25

Introduction

Educational Technology Cell, Worli works under State Council of Educational Research and Training Institute, Pune. To promote Educational Technology in Schools, Educational Technology Cell was established in 1972 with a general resolution of Maharashtra State. (No. VSE/3070/50590, dated 6-12-72). It was Central Government sponsored scheme for first five years. Currently Educational Technology Cell is a part of Educational Department of Maharashtra working under umbrellas of Maharashtra State Council of Educational Research and Training, Pune. Television centre was established in Mumbai in 1972. To use this effective mass media, for education E. T. Cell co-ordinated States Education Policy with educational Television Programmes. So also new competency based teaching learning policy was introduced, preparing T. V. programmes for primary education, responsibility was handed over to S. I. E. T., Pune. E. T. Cell looked after audio programmes and co-ordinates ' All India school broadcast ' for proper utilization of two in one sets supplied by State Government. This Institute conducts seminars, meetings and workshops for teachers. Also scripts development training courses are designed for teachers.

To achieve quality and quantity in Primary Education this Office develops software and training material. The audio production centre was sanctioned to this Office. In this audio production centres cassettes, audio programmes, multi media packages and prototype video cassettes are developed and produced.

II. Aims and Objectives of Educational Technology Cell

- (1) Educational Radio Broadcast- to improve programme quality of school broadcast and to promote audio listening to organize different activities.
- (2) To promote Educational Technology in education conduct seminars for cluster co-ordinators, lecturers of S. I. E. T. Headmasters and Teachers.
- (3) To conduct audio script writing workshops.
- (4) To produce audio cassettes for teachers and school children.
- (5) To improve teaching skills conduct workshops and training programmes.
- (6) To develop audio, video cassettes for teachers training.
- (7) To organize T. V. Script writing training Course.

Programmes completed during the year 2002-2003

- (1) Audio script writing training course --To develop audio script writing skills among Primary and Secondary Teachers script writing training courses were conducted.
- (a) B. M. C. Primary Teachers.--For B. M. C. Primary Teachers a special course was conducted during 25 November to 30 November 2002. In all 33 participants took active part in the training
 - (b) Training course at Thane.--In Mangala High School a 6 days training course was conducted for Primary teachers in Thane district during 13th January to 18 January 2003. Total 26 participants were present.
 - (c) Training course at Nashik.--33 Primary and Secondary Teachers took part in this training course conducted in Kanya Sarda Vidyalaya between 10 February to 15 February 2003.
- (2) **Seminars for Headmasters**
- (a) For proper use of Educational Technology in Primary Education one day seminar was conducted on 10th October 2002, 21 Headmasters from B. M. C. Primary Schools took active part in the seminar.
 - (b) Another seminar for use of E. T. was organized on 7th March 2003. Total 30 teachers from Thane district Vasai Taluka participated in the seminar. Both seminars were conducted in Educational Technology Cell.
 - (3) Script writing workshop for Vocational Guidance Trainees :-- During 25th and 26th July trainees from Vocational Guidance Cell visited the Office and 25 teachers took part in script writing workshop wrote scripts.
 - (4) Audio script writing for Radio Broadcast Maharashtra Prathamik Shikshan Parishad (M. P. S. P.) organized scripting sessions in E. T. Cell and scripts for broadcasting were developed. 5 scripts were developed for 4th standard Scholarship Exam.
 - (5) Meetings for development of self study material.
 - (a) To decide topic subject experts meeting was called on 30th September 2002.
 - (b) To visit a rural school at Grammangal Ayane (Wangaon) subject experts visited the school on 4th October 2002.
 - (c) To write script the meeting of script writers and subject experts was organized on 11th and 13th December 2002.
 - (d) Meeting for finalization of the script .--On 12th March 2003 meeting of writers and subject experts was called.
 - (6) Use of Educational Technology.--Two days workshop was conducted in E.T. Cell on 15th and 16th November to discuss how to use E. T. in the Classroom. "How to use and maintain different Audio Visual Aids in the Classroom for effective teaching" was demonstrated to secondary teachers and lab-assistants from secondary schools. 43 participants were present.
 - (7) One day seminar for cluster co-ordinators.--Cluster co-ordinators from Buldhana districts took part on 24th, 25th and 26th March at D. I. E. T., Buldhana. Total 80 Cluster co-ordinators and 60 D. Ed. students were present.
 - (8) Competition.--One Competition for primary teachers was conducted on the topic skill based teaching. 30 schools took part and three programmes were recorded under special guidance.
 - (9) Experts from this Office delivered lectures and script writing guidance to post graduate students of diploma in Mass Media.
 - (10) Slide and sound show.--15 students from S. N. D. T. University Mass Media course wrote scripts for 'slides, slide and sound show' was recorded with commentary and music.

2.4 INSTITUTE OF VOCATIONAL GUIDANCE AND SELECTION

3, Mahapalika Marg, Mumbai-400 001

Introduction

If students get opportunity to secure admission to the courses according to their interest, intelligence, personality and ability, their native traits are developed to the fullest extent. This Institute is working for giving the information of various courses to the students and their parents, so as to enable the students to choose the right and proper courses after passing Xth and XIIth Examinations. This Institute was opened by Government of Maharashtra in 1950 to give guidance and information to the students and parents regarding the various educational courses and vocations so as to enable the students to choose the right and suitable courses after passing S. S. C. and H. S. C. Examination.

2. Aims and objectives of the Institute and Regional Office

(1) To collect the Educational and Vocational information for secondary school students

(2) To prepare the Cumulative Record Cards for the Schools.

(3) To construct the psychological tests adaptable to the Indian Culture and Environment.

In 1957 two sub centres of this Institute were opened in Ahmedabad and Pune. The purpose of opening of these sub centres was to give emphasis on Training and Research alongwith giving educational and occupational information

In 1960 Maharashtra and Gujarat States were bifurcated. The guidance centre at Ahmedabad was incorporated in Gujarat State and the Institute of Vocational Guidance at Mumbai was nomenclatured as Institute of Vocational Guidance and Selection. This Institute helped the I.T.I.s and Industries in selecting the skilled workers by administering them the Psychological Tests. In 1982 Two Regional Offices one at Nagpur and other at Aurangabad were started in small scale. In 1985 the regional Offices of this Institute were started at Kolhapur, Amaravati and Nashik.

The head Office of the Institute of Vocational Guidance and Selection, is situated at 3, Mahapalika Marg, Mumbai-400 001. Since 1985, this I.V.G.S. has been working as the Regional Office of Maharashtra State Council of Educational Research and Training, Sadashiv Peth, Pune-411 030.

Following are the addresses of Regional Offices of Institute of Vocational Guidance and Selection, Mumbai-400 001.

	Phone Nos.
1. Regional Institute of Vocational Guidance and Selection, Sadashiv Peth, Kumbhar Marg, Pune-411 030.	020/4476445
2. Regional Institute of Vocational Guidance and Selection, Near Devgiri College, Padmapura, Aurangabad-431 101.	0240/2332162
3. Regional Institute of Vocational Guidance and Selection, Government Patwardhan High School, Sitabardi, Nagpur-440 012.	0712/2521301
4. Regional Institute of Vocational Guidance and Selection, Near Dy. Director of Education Office, Valgaon Road, Amravati-444 604.	0721/2573735
5. Regional Institute of Vocational Guidance and Selection, 1708 'A' Ward, Near Rankala Post Office, Kolhapur-416 002.	0231/2620240
6. Regional Institute of Vocational Guidance and Selection, Bungalow No. 17, near Commissioner's Office, India Currency Road, Nashik-422 101.	0253/2456265

3. Brief report of activities completed during the year 2002-03

Institute of Vocational Guidance and Selection is working in three sections.

(i) Information, (ii) Psychological Testing, (iii) Training

3.1 Information Section

Various types of Educational and Occupational Information is given in this Section. I. V. G. S. has published one book viz S. S..C. What Next ? The courses run in all Universities in Maharashtra are published in this book. Personal Guidance-3743 and Postal--3181.

Cutting Advertisements and Display

To provide the upto-date information about the Educational and Occupational Courses the advertisements to that respect are cut out from the daily news papers, periodicals and employment news papers. These advertisements are displayed on the wall boards for daily reading. Afterwards these advertisements are collected and pasted in respective files which are made available for ready reference whenever they are required. Advertisement cutting--3891 and Display--2712.

3.2 Psychological Testing Section

Institute and Regional Offices have conducted the Psychological Testing programme for the students of Xth and XIIth (Sci.) during the months of April to June which were provided free for all students. (V.G.S.-3733) Counsellors-7989

3.3 Training Section

Institute of Vocational Guidance and Selection organises three types of training courses

- (a) Diploma in Vocational Guidance.
- (b) Career Masters Certificate Course.
- (c) Orientation Course for Headmasters.

3.2 In the year 2002-2003 total 30 trainees have taken admission for Dip. V.G. Course. Out of them 7 lady teachers from Secondary Schools from private and Z.P. Schools. These trainees have given Psychology Tests in various Schools in Mumbai. These programmes are Supervise and Non-Supervise Testing Programmes

Achievement Test

Construction of Achievement Tests for different Classes in different subjects is a part of the Diploma in Vocational Guidance Course.

The reliability, validity, utility and all qualities observed and the tests are made standardised. In this procedure necessary use of statistics is made with the help of Achievement Tests by which we come to know the progress of students in respective subjects.

Dissertation.--Completion of Dissertations on the given topic is also a practical part of the Diploma in Vocational Guidance Course. Revision of norms of Psychological Tests, determining the Scholastic Aptitude patterns of different types of courses to do the follow up work of existing courses and occupations, these topics for dissertation are selected.

- (1) Renewal of G. A. T. B. Norms for IXth Std. Students in Gre. Mumbai.
- (2) Follow-up of the girls completing computer operator course from I. T. I. for Girls during the year 1999 to 2002.
- (3) To find the norms of G. A. T. B. for XIIth Std.
- (4) Renewal of G. A. T. B. Part-II for IXth Std. Students.
- (5) To find Scholastic Aptitude Pattern for B. M. M.
- (6) To find the co-efficient of correlation between Adjustment Test and S. S. C. achievement.
- (7) To find SAP for B. A.
- (8) Follow-up of the students completing the Course 'Skin and Hair Care' from I. T. I., Dadar.
- (9) Cattles Personality Inventory.--To find norms for IXth Std. Marathi Medium Students.
- (10) To standardise norms for 'Cattles Personality inventory' and to find norms for 7th Std. Marathi Medium Students.
- (11) Follow-up study of 'Dress-Making' from Dadar I. T. I.
- (12) To find norms of G. A. T. B. for XIIth Sci. students.
- (13) Adaptation of Colleges H. S. P. Q. Find reliability validity, norms for XIth Std. Students
- (14) Follow-up of students from Nirmala Niketan completing B. Sc. (Home Science).
- (15) Moonies Problem Check-list standardisation
- (16) Follow-up of 10 Art master teachers.
- (17) To find co-efficient of correlation between Adjustment and S. S. C. Marks for Xth Std. students.
- (18) To find norms for the tests F. D., M. D., M. M.
- (19) To find the norms for N. V. T. I.
- (20) To construct 'Study Habbits Inventory' and find norms.
- (21) To standardise the aptitude test for IXth Std.
- (22) To construct 'Teacher's aptitude Test' and find the norms.

- (23) Renewal of the norms for G. A. T. B. std. IX.
- (24) Construction and Standardisation of form matching test parallel to I V. G. S., G. A. T. B. (FM).
- (25) Follow-up 'Dairy Technology'.
- (26) Renewal of norms for Adjustment to Std. IX.
- (27) Standardisation of Cattles Personality Inventory for 5th Std. Students.
- (28) To find norms of G. A. T. B.
- (29) To find study habits of students.
- (30) Preparation of Diagnostic test for Std. 7th.

Educational Visits

- (1) 'Homi Bhabha Centre for Science Education' Mankhurd-Mumbai.
- (2) I. T. I. for Women, Dadar.
- (3) Dairy Technology Institute, Goregaon.
- (4) Indira Gandhi National Development Institute, Goregaon
- (5) Yoga Shikshan Santha, Santacruz.

(A) Career Master's Course :- Institute of V. G. and S. and Regional Offices had conducted 21 days Career Master's Course. Total 749 teachers participated.

(B) Special Career Master's Certificate Course.--Apart from the regular course for lady Sec. teachers was arranged in regions. 273 teachers took benefits of these special course.

(C) Orientation courses for Headmasters of Secondary Schools.--To create awareness in the minds of Headmasters about the Educational and Vocational Guidance to motivate them to send more teachers from their Schools to the Career Master's courses and Diploma in Vocational Guidance Courses to supervise the work of counsellors' and career masters who are working in their Schools to create congenial atmosphere in the School for counsellors and career masters so as to enable them to work freely and more enthusiastically and effectively in the Schools three day's orientation courses are arranged for Headmasters of Secondary Schools. In 2002-2003, 1440 Headmasters availed the benefits of these courses.

(D) One orientation course for Government officers was arranged at division level. Total 570 Officers attended the course.

(E) B. Ed. Orientation Course.--20 Colleges and 2090 Beneficiaries.

4. OTHER EDUCATIONAL ACTIVITIES

4.1 Organising Vocational Guidance Conference

Secondary Schools, Colleges, various Educational Institutions some private and Government Organisations, Lions Clubs and Rotary Clubs organise the Vocational Guidance Conferences for students and their parents. Counsellors working in secondary Schools, officers working in I. V. G. S. and experts working in different occupational fields are called to give lectures in these conferences. Charts, Monographs, Posters and the material which is useful and available in this Institute is displayed in these conferences. Every Regional Office of I.V.G.S. tries to complete the target of organising at least 50 Career Conferences in the Region. Rs. 300 is given for one Conference. Total Conferences 654, Beneficiaries 1,63,285.

4.2 Organising the lectures on Vocational Guidance

In this year 349 Vocational guidance lectures are organised and 44,899 students are benefitted.

4.3 Meeting of Counsellors and Career Masters

Periodical meeting of counsellors and career Masters are arranged at Regional, District and Taluka level. Discussion on different problems held and solutions to the problems are suggested. 24 meetings of counsellors and 38 meetings of Career Masters were arranged by Institute and Regional Offices.

4.4 Meeting of the Staff Working in all Regional Offices

The meeting of all Officers and staff working in all Regional Offices in Maharashtra was held 2 times in I V G. S., Mumbai. A review of the past work was taken. Follow-up of some schemes was done and future Planning was chalked out.

5. Annual Inspection

In the year 2002-2003 the work of 63 Counsellors and 120 Career Masters was inspected

6. Vocational Guidance activities for minority

As per 15 points programme of Prime Minister the I. V. G. S., Mumbai and its Regional Offices arrange the lecture and conference on Vocational Guidance for the teachers, students and parents belonging to the minority communities. To improve the S. S. C. and H. S. C. students results from minority schools the proper counselling is done to the students coming from these minority schools. Total 111 programmes were arranged in the reporting year. Total beneficiaries 7143.

7. Guidance for Tribal Students

Regional Offices of Amaravati, Nashik and Nagpur had conducted the programme for tribal students i. e. career Talks, conferences etc. I. V. G. S., Mumbai has launched the programme for teachers working in tribal area. This programme gives good support to encourage the students and their teachers for appearing to preprimary scholarship exam conducted by M. S. Exam. Bureau, Pune. This programme is in pilot form now. Conferences 16 and Beneficiaries 2023.

8. Revision of Monographs

The occupational information changes rapidly, some new courses are introduced in many Institutes. Students and Parents are supposed to remain in touch with all these changes and this revised information is required to be incorporated in Monographs.

9. Career Day

14th January is the day of 'Makar Sankraman'. It was celebrated as Career Day in Regional Offices as well as at District level.

10. Special Activities

1. Renewal of S. S. C. What Next ?
2. V. G. O., Pune effectively and successfully completed the assignment of D. Ed. admission.
3. Active participation in Smart P. T. programme for Std. III English. Workshop of preparation for training literature.
4. Selection of students to Shivaji Preparatory Military School, Pune.
5. Shri Kamble M. S., A. V. G. O., Mumbai gave guidance to the students selected in National Talent Search Examination.
6. The Officers from Regional Offices and I. V. G. S. wrote articles on various topics for 'Shikshan Sankraman' Vocational Guidance Special Edition.
7. Seminar on preparing 'transparencies' was arranged at Educational Technology Cell, Worli for the trainees.
8. V. G. Officer, Kolhapur participated in selecting the Taluka Co-ordinators at Regional Dy. D. E.'s Office, Kolhapur.
9. 'Orientation Programme on G. V. C. for the functionaries at Goa' was organised at Bhopal. Shri Waghode, V. G. O., Mumbai, Smt. Karambe, A. V. G. O., Pune, Shri Kasture, V. G. O. Aurangabad, Shri Shinde, V. G. O., Kolhapur attended the seminar.
10. Workshop on 'Vocational enrichment' was arranged by I. V. G. S. for the Counsellors.
11. Workshop on Vocational Guidance for Headmasters and Counsellors
12. The Officers from Regional Office, Pune gave lectures to the clerks at the Departmental Examination Training programme organised by S. C. E. R. T., Pune.
13. Psychological testing and counselling was done with the help of Rotary Club of Ahmadnagar, Central Ahmadnagar and Rotary Club of Sinhagad Road, Pune.
14. Questionnaires were prepared by Regional Offices, Pune, Nagpur on 'Vocational Awareness'.
15. Active participation of the Officers of I. V. G. S. in the project primary education for all in 10 years planning.
16. SAT test was administered to the teachers at DIET, Panvel, District Raigad.

17. Articles were written by the Officers for Jeevan Shikshan.
18. Exhibitions on V. G. at Vashi in Ganeshotsav.
19. Active participation in preparing the ' Intelligence Test ' booklet for Std. IV.
20. Articles in the handbook for Smart P. T.
21. A Special Orientation Course for the Headmasters in Night High Schools in Mumbai.
22. With the help of Rotary Club, Mumbai, an Exhibition on V. G. was arranged at Karjat, District Raigad for the tribal students.
23. Two days training programme in October, on School Cert. Exam. was attended by V. G. O.s', Pune, Nagpur, Nashik and Kolhapur.
24. Participation of Smt. Kelkar, Dy. Director of Education, in the workshop on self-learning at Dabhon.
25. V. G. Officer, Kolhapur worked as the resource person for the training of Primary School Certificate Examination.
26. The counsellor Mr. Kazi, secured 2nd prize in ' Adult Education and Easy Competition' at the time of Science Exhibition--Mumbai-North.
27. National Educational Plan 2002--participation of Regional Office, Pune.
28. Visit of trainees from N. C. E. R. T., Delhi to this Institute.

Educational Activities-Statistical Report (2002-2003)

Sr. No.	Activities	Total
1.	Personal Guidance ..	37134
2.	Postal Guidance ..	3181
3.	Advt. cutting ..	3891
4.	Display of Advt. ..	2712
5.	Counselling -- (a) Office ..	3733
	(b) Teacher counsellor ..	7989
6.	C. M. Course ..	749 (13)
7.	B. Ed. Student Orientation ..	2090 (20)
8.	H. M. Orientation Course ..	1440 (23)
9.	Conf. of Govt. Officers ..	570 (12)
10.	V. G. Conf.--Aided ..	96
	Unaided ..	558
	Beneficiaries ..	163285
11.	V. G. Lectures ..	349
	Beneficiaries ..	44899
12.	V. G. for Minority ..	7143 (111)
13.	Insp. of Counsellor ..	63
14.	Insp. of C. Masters ..	120
15.	District of Monograph ..	16814
16.	Conf. of Counsellors ..	705 (24)

Sr. No.	Activities	Total
17.	Conf. of Headmasters	188 (9)
18.	Conf. of C. M.	1720 (38)
19.	Mass Media Guidance-News Paper/Radio/T. V.	18/6/4
20.	Conf. for Adivasi Beneficiaries	2023 (16)
21.	Group Guidance V. G. Day--Bene.	152
22.	Dip. in V. G.	30
23.	Counsellors of Adopted Schools	129
24.	Exhibition	166
	Beneficiaries	169804
25.	Work for Educational Development	23
26.	School Computer Education Project	41
	Distance Education	52
	Competitive Exam.	86

2.5 M. S. Institute of Audio Visual Education, Pune-30

A report regarding various activities carried out by this institute regularly.

Introduction :

In this age of technological Progress there is need to emphasise the importance of Audio Visual Aids in the present system of education. Proper use of Audio Visual Aids accelerate the teaching learning process. It saves time and labour of the teacher in making teaching more effective, meaning and dynamic. The Government realising its importance established this office for Visual Education, under Directorate of Education in 1918. It was shifted to Pune in June 1971 from Bombay. This is state level Institute working under MSCERT, Pune Since 1986.

Administrative Set Up

M. S. Institute of Audio Visual Education is headed by M. E. S. Class I Officer designated as principal. He is assisted by 7 M. E. S. Class II Officers. There are 5 Class III technical assistants in different five sections of the Institute.

Main Aims and Objectives

- (1) To improve teaching learning process.
- (2) To help the teacher to improve the quality of teaching through medium of Audio Visual Aids.
- (3) To enable the teachers in preparation of low cost teaching aids such as charts, Maps, Graphs, diorama etc.
- (4) To give guidance in purchase and proper use of Audio Visual Aids to Schools, Colleges and Educational Institutions all over Maharashtra State.
- (5) To arrange filmshows, Puppet shows and Exhibitions in order to promote Audio Visual Education.
- (6) To organise workshops for inservice and preservice teacher educators.

Training Courses

In order to acquaint persons working in the field of education with modern methods of communication various types of courses are conducted by this Institute.

Specialised Training Courses

Following specialised courses are conducted at the Institute for Primary, secondary teachers, teacher educators and lab. assistants from Schools etc.

- (1) **General Course in Audio Visual education.**--The General Course is conducted for Primary, secondary teachers once in a year for 40 teachers in which primary knowledge of Audio visual aids is taught so that the standard of education will improve and the teaching learning process will become more attractive, meaningful and dynamic.
- (2) **Training Course in Graphics.**--The Graphic Course is conducted twice in a year. The art teachers undergo the training from each district. They prepare the low cost educational aids and will work as resource persons in their respective districts. Duration of this Course is for 10 days only.
- (3) **Training Courses in preparation of Filmstrips/slides.**--The Secondary teachers and Art teachers undergo the training for 13 days twice in a year. They prepare the educational Filmstrips of slides. New technology is introduced through this filmstrips/slides projection with taperecorder.
- (4) **Training Course in puppetry .**--This specialised course in puppetry is conducted for 13 days twice in a year for primary and secondary teachers. The educational abstract ideas have been introduced through these puppets. Training in preparation of puppet, writing scripts and displaying puppet shows is given in this course. Such training is very important to create interest and inspiration among teachers.
- (5) **Training Courses in operation and care of Audio-Visual Education.**--The lab. assistant undergo the Audio-visual equipment operator's course for 10 days twice in a year Training is given in handling and operation of all types of Audio-Visual equipments Teaching through Audio-Visual aids is very effective, attractive dynamic and meaningful.

Follow Up Work Activity

Evaluation of the work is done after the completion of Audio-Visual courses by the teachers who have undergone such training Courses. The Officers Visit the respective schools where trained teachers are working and guide the teachers and evaluate the work done in Audio-Visual Education.

Audio-Visual Workshops

Workshops of preparation of low cost teaching aids and material for teachers, teacher educators from all over the state level, district level, Block level, Municipal corporations, B. Ed. and D. Ed. Colleges are conducted for three days durations. Experts from this Institute conduct and guide the teachers in workshops.

State Film Library

Important Educational and Instructional films are maintained in this Library. There are about 2500 educational films on various subjects are available for screening purpose. Approximately 1200 Schools and Institutions are members of this film library.

Exhibition Of Audio-Visual Aids

An Exhibition of low cost teaching aids is arranged permanently in this institute. Foreign visitors, teachers and teacher educators from all over the state visit this exhibition Educational puppet show is also presented to these visitors.

Publication Set And Its Distribution

This Institute has published several pamphlets and folders on various Audio-Visual Aids. It emphasises on how to prepare and use these aids in teaching process. This publication set is free distributed to teachers and teacher educators.

Maharashtra State Institute of Audio-Visual Education Pune
Training Programmes held in 2002-2003

Sr No	Name of the training programme	Duration	Place	Number of participants
1	General Course in Audio-Visual Education	25 June to 16 July 2002	Pune	40
2	Technical Training Course in Operation of A. V. Equipment	17 July to 26 July 2002	Pune	25
3	Training Course in Graphics	5 to 14 August 2002	Pune	25
4	Training Course in Photography	19 to 31 August 2002	Pune	25
5	Training Course in Puppetry	16 to 28 September 2002	Pune	25
6	Training Course in Graphics	2 to 11 December 2002	Pune	25
7	Training Course in Photography	12 to 24 December 2002	Pune	25
8	Training Course in Puppetry	6 to 18 January 2003	Pune	25
9	Technical Training Course in Operation of A. V. Equipment.	20 to 29 January 2003	Pune	25

Maharashtra State Institute of Audio-Visual Education Pune-411 030
Short Term Training Programmes held in 2002-2003
(Outside of the Institution)

Sr. No.	Name of the Programmes	Duration	Place	Number of participants
1	2	3	4	5
1	Training in Graphics	2 to 7 May 2002	Gurukul High School, Lonawala	100
2	"	9 to 14 May 2002	S. S. P. M. S Pune-5	700
3	"	16 to 21 May 2002	"	650
4	Training in Graphics and Puppetry	18 to 20 June 2002	Municipal School Board, Tasgaon, District Sangli	105
5	Training in Graphics	18 to 20 June 2002	College of Education, Araneshwar, Pune-9	79
6	Workshops in Graphics		College of Education, Bhore	160
7	Workshop in Photography and Puppetry	29, 30 July 2002	"	--
8	Workshop in Graphics	2 to 3 August 2002	Adarsh B. Ed. College, Pune-4	160
9	Workshop in Graphics	16 to 17 August 2002	Azam B. Ed. College, Camp, Pune-1.	80
10	Workshop in Puppetry	16 to 17 Aug. 2002	B. Ed. College, Akaluj, District Solapur.	80
11	Workshop in Puppetry	20 to 22 Aug. 2002	B. Ed. College, Akaluj, District Solapur.	160

Sr. No.	Name of the Programmes	Duration	Place	Number of Participant
1	2	3	4	5
12	Workshop in Graphics and Arts	2 to 5 Oct. 2002	Municipal School Board, Jaishingpur, Dist. Kolhapur	50
13	Workshop in Graphics	25 to 27 Nov. 2002	P. S. Sangola, District Solapur	80
14	Workshop in Graphics	29 to 30 Nov. 2003	C. Agashe College of Physical Education, Pune-39	128
15	Workshop in Puppetry and Film show	11 to 15 Dec. 2002	Z. P. School, Neknur, District Beed.	2500
16	Training in Puppetry and Graphics	17 to 21 Dec. 2002	Z. P. School, Digraj, District Sangli.	298
17	Training in Puppetry and Graphics	17 to 21 Dec. 2002	Z. P. School, Kawathepiran, District Sangli.	268
18	Workshop in Puppetry and Graphics	26 to 28 Dec. 2002	Z. P. School, Digraj, District Sangli.	298
19	Workshop in Puppetry and Graphics	26 to 28 Dec. 2002	Z. P. School, Kawathepiran, District Sangli.	298
20	Workshop in Puppetry	27 to 28 Jan. 2003	P. S. Wadgaon Maval, District Pune.	80
21	Workshop in Graphics	27 to 30 Jan. 2003	DIET, Vaijapur, District Aurangabad.	25
22	Workshop in Graphics	3 to 5 Feb. 2003	Ambani High School, Lohivalli, District Raigad.	48
23	Workshop in A. V. Education	29 Nov. 2002	P. S. Mulshi, Paud, District Pune.	425
24	Workshop in Puppetry Photography and Graphics	25 to 26 Feb. 2003	D. I. E. T., Kolhapur.	120
25	Workshop in Puppetry and Graphics	10 to 14 Mar. 2003	Z. P. School, Digraj, District Sangli.	300
26	Workshop in Puppetry and Graphics	10 to 14 Mar. 2003	Z. P. School, Kawathepiran, District Sangli.	300
27	Workshop in Graphics	4 to 6 March 2003	Municipal School Board, Ratnagiri.	73

3. PROJECT AIDED BY WORLD BANK

DPEP SECTION

District Primary Education Programme is a World Bank Assisted project launched in the state since 1994. It is meant for universalisation of education at primary stage. The major objectives of programme can be stated as 100% enrolment of eligible children in primary school, their retention upto class V and at least 25% increase in the achievement scores of the children over the Baseline Achievement Survey scores. It is also expected that areawise, genderwise and social categorywise gaps pertaining to enrolment retention and achievement should be reduced during the project period. The society viz. Maharashtra Prathamik Shikshan Parishad was registered in 1994-95 to coordinate the project activities at the state level and simultaneously DPEP cell was established in MSCERT to plan share and implement activities under the project.

The DPEP cell organises various programmes with co-operation of other sections in the council. The project will formally conclude in June 2003. The role of MSCERT will be pivotal in documenting consolidating various academic and administrative practices emerged through the project and propagating them in other districts. The DPEP cell shall assist the council in this endeavour.

Activities During Report Year

The major area addressed during the report year was teleconference on Action.-- Research and organization of achievement survey. The cell has organized 5 orientation programmes, 4 workshops and 23 meetings during this year. The brief account of major activities is given as under :--

1. Action Research

(i) Financial Assistance for Action Research was awarded for the last two academic years. The section has received 65 action research reports as an output. These reports were graded using Gradation tool developed by the section, compendium of selected report will be published in booklet form in the near future.

(ii) SCERT made its debut in the new area of teleconferency by organising Teleconference Action Research. It was meant for orientation of teachers and other district functionaries on action research. The programme was broadcast during July 2002 from RESECO studio, Ahmadabad from Gujarat State. About 600 teachers and other functionaries participated from 9 learning centres base in the DIET's of 9 project districts. The teleconference was inaugurated at the hands of Shri M. G. Marathe, Director MSCERT. The resource persons were Shri V. N. Shukla, Dr. Maruti Nalawade, Dr. Hemalata Parasnis, Dr. N. M. Joshi, Dr. Anita Patwardhan, Dr. Snehal Tawade, Dr. Leena Deshpande, Shri C. K. Patil, Shri Narlawar.

The activities in the learning centre at MSCERT were coordinated by Shri R. R. Pardeshi and Shri N. K. Jarag, Dr. Suman Karandikar coordinated educational activities and offered her guidance where ever necessary.

(iii) Reference Book on Action Research was developed to trigger discussions during teleconference. The booklets were distributed to participants for the teleconference and also other functionaries from DPEP districts. The booklet will be useful while cascading the contents of the teleconference of sub district level. It would also be useful for the teachers willing to undertake Action Research. This booklet on Action Research will be published under S. S. A. and copies will be distributed in Non-DPEP districts also.

Terminal Assessment Survey (DPEP II)

The Terminal Assessment Survey was organised in the five DPEP (Phase II) districts to observe the enhancement over achievement level observed in Baseline Survey conducted in 1994 (BAS) and Midterm Assessment Survey (MAS). The responsibility of survey was entrusted to MSCERT by Maharashtra Prathamik Shikshan Parishad, Mumbai. The survey was made during March 2003. The highlights of the survey are as under :-

50 schools were selected randomly from each of the phase II district viz. Beed, Jalana, Dhule, (Nandurbar), Gadchiroli.

The tests in Language and Mathematics were administered to the students from class I and III.

The test was administered to maximum 20 students from class I and 30 from class III.

In order to find out correlation if any between environment at school and home with the level of achievement, appropriate information was collected using Information schedules for schools, teachers, and students.

The software for making data entry and generating output tables was developed by MPSP, Mumbai. The data entry was made by the section of District Resource Centres.

The tests were administered by the field investigators employed on the contract basis for the purpose.

The field Investigators were oriented for collection of data by district level RPs who were oriented in the state level programme.

The information of the school teachers and students was collected where the test were administered. The information collected to find out the co-relation any between the environment prevailing at school and home achievement of student.

The information captured through the tests and schedules was computerised at district level. The necessary software was developed by the MPSP, Mumbai.

Based on the output tables given by MPSP report on TAS will be developed at SCERT, Pune

3. Distance Education Programme

Distance Education Cell has been established in Indira Gandhi National Open University at New Delhi to strengthen the component of training in DPEP. This Cell has equipped the DIETs to participate in teleconference by installing Dish Antennas. The installation has also been made at SCERT and MPSP, Mumbai. MPSP has organized four teleconferences on pivotal issues in the primary education. Officers from MSCERT participated as panelists at teaching end and also in the interactions at learning centre in SCERT.

The issues addressed during the teleconference 'Action Research' (By MSCERT) and 'Teaching of Mathematics by MPSP, Mumbai.

4. Purchase of Books

DPEP and Sarva Shikshan Mohim are the projects encompassing a wide spectrum of issues in the area of Primary Education. These programmes demand for references from various areas like gender-equity, construction, education of deprived children etc. DPEP cell purchased appropriate books by appointing a committee which selected books keeping in the view the demands of the programmes.

5. Construction of Ladies Hostel

Number of Lady participants from state and occasionally from other states need to stay in the campus of MSCERT for training and other purposes. The Ladies Hostel is being constructed from DPEP funds for there accommodation. The Hostel shall have 26 double sharing rooms with attached toilets along with reading room, Mess and table tennis hall. The provision of Rs. 10000000 (Rs. One crore) has been made available for the purpose. The completion of construction is expected by the end of June 2003.

The work of construction is being coordinated by MPSP, Mumbai and MSCERT helping to make necessary administrative compliances.

6. The report of Mid-term Assessment Survey

The report of mid-term Assessment Survey (DPEP II) has been handed over to MPSP, Mumbai for final approval

7. ASHA Project

MSCERT has developed Baseline Assessment Survey for ASHA project and submitted same to MPSP, Mumbai

8. The Publication of DPEP in the report year

A. Publications Completed

(A 1) The reference booklet on 'Action Research' was published for organising teleconference. Also the booklet is useful for teachers who would like to undertake action research. 'Research Section' from SCERT has reprinted the booklet for distribution to Non-DPEP districts from the state.

(A 2) Tests and Schedules for Terminal Assessment Survey (DPEP II) were published.

B. Booklets under print

(B 1) Another teleconference explaining the strategies of remedial teaching is an anvil and reference book is under print today, teachers adopt various strategies for remedial teaching. The booklet has been developed by reviewing these strategies prevalent in the school. To increase the effectiveness of day-to-day teaching and preventing the probable mistakes that could be committed by the students. Thus the booklet will be useful to enhance the quality of learning.

(B 2) **Teacher Handbook of Puppetry** .--This booklet contains major aspects of puppetry in the view of teachers. It includes introduction about puppetry, preparing different types of puppets, script writing and use of puppetry in the day-to-day teaching-learning process.

(B 3) **Compendium of abstracts of action Research Report** ...DPEP section received 65 reports of which 9 reports have been selected by the help of Gradation Tools for inclusion in Compendium abstracts

All the three books are expected to be completed by the end of June 2003

9. Workshops/Training at the National Levels and Other Activities

9.1 National Level Workshop on use of Media in Education was organised at Ahmadabad. Shri V N Shukla programme officer represented MSCERT.

9.2 Shri V N Shukla programme officer attended National Level workshop RIE Bhopal. The workshop was meant for reviewing research activities since the last meeting and to decide further course of action

9.3 Extension Officers from DPEP districts were oriented by training section from SCERT in collaboration with DPEP cell. The necessary funds provided by DPEP cell.

9.4 Dr. Rajiv Sharma from Indian Institute of Management, Ahmadabad was entrusted with the work of evaluating DPEP activities by MHRD, New Delhi. He visited DPEP cell from MSCERT for two days and discussed various activities of the cell since 1994.

9.5 Shri Khushawah and colleagues from Bodh Shiksha Samiti, Rajasthan were entrusted the task for evaluating academic processes under DPEP in Maharashtra. The task was entrusted to the team by MHRD, New Delhi

An elaborate discussion was held by the team with DPEP cell

4.1 STATEWIDE MASSIVE AND RIGOROUS TRAINING FOR PRIMARY TEACHERS-SMART P. T. 2002

STD. 3RD, ENGLISH

The Government of Maharashtra has decided to introduce English as a subject in Non-English medium Schools vide G. R., dated 30th December 1999. The Syllabus for Std. I to IV of English Subject was developed by syllabus committee formed by the Government.

Syllabus of Std. I has been introduced to Std. I to IV from June 2000. Before introducing this syllabus M. S. C. E. R. T. has planned and organised SMART P. T. Programme for the training of 130584 Primary Teachers.

Syllabus for Std. II of English has been introduced to Std. II to IV from June 2001. Before implementation of this syllabus MSCERT has trained 123974 Primary Teachers through SMART P. T. Programme in May/June 2001.

Syllabus for Std. III of English has been introduced to Std. III and IV from June 2002. Before implementation of this syllabus MSCERT has trained 131130 Primary Teachers through SMART P. T. Programme in May/June 2002.

Material Development

MSCERT, Text Book Bureau and Balchitrawani have developed training material.

(A) M. S. C. E. R. T., Pune

(1) Let's teach -- Training module based on syllabus and Text book 'My English Book Three' has developed for resource persons.

(2) Shikshak Samrudhi Hastpustika.

(3) Teacher's Hand Book.

(4) Prashikshan Niyojan Pustika.

(5) "Jeewan Sikshan" Special Issue, May 2002.

(B) Text Book Bureau-Balbharati

(1) My English Book Three-Text book for Std. III

(2) STD. III, English-- Teachers Hand Book.

(C) Balchitrawani (SIET)

A set of cassettes--English Std. III-A set of two cassettes based on text book.

Duration and Timetable of the Training Programme

Sr. No.	Level		Duration	Participants
1	Council	..	2-5-2002 to 7-5-2002	109
2	State	..	9-5-2002 to 14-5-2002 16-5-2002 to 21-5-2002	1340
3	District	..	20-5-2002 to 25-5-2002 27-5-2002 to 1-6-2002	12778
4	Block	..	27-5-2002 to 1-6-2002 3-6-2002 to 8-6-2002	131130

Resource persons were oriented at Council, State and District Levels. Teachers, Head Masters, Cluster Heads were trained at Block Level.

• Timetable and strategy of training

The timetable for the training was for six days having 62.30 clock hours. Out of them 31.15 clock hours were allotted to English subject. Remaining period was devoted to curricular and co-curricular subjects including English Training Methodology helped in making the programme effective and interesting. Group discussion, self teaching activities like Rhymes singing, dramatisation, lesson demonstration by participants etc. included in Training Module were useful to avoid transaction losses.

Yoga, Parpath, Self study Quiz, Geetmanch, Development of teaching-learning material, cultural activities made the participants active all the time.

Follow-up Programme

After successful completion of training programme, follow-up programme was undertaken to review the performance in the school as well as to guide and motivate the teachers. Follow-up meetings at Block, District and Division levels were conducted in the month of October/November 2002.

The officers from the state level institutes, MSCERT and field officers from region, district and taluka level participated in this school visit programme. 5514 officers visited 19,483 primary schools and observed the teaching of English and other subjects, discussed difficulties in day-to-day teaching.

State level review and follow-up meeting was held in MSCERT, Pune on 8th January 2002.

Budget Planning and material development for Std. IIIrd English.

- (1) Total budget sanctioned by NCERT New Delhi for SMART P T 2002--Std IIIrd English was Rs. 8,51,80,766.
- (2) Total expenditure for SMART P T Training Programme was Rs. 6,86,86,638.

4.2 POPULATION EDUCATION CELL

The Population Education Programme Commenced with effect from 16th July 1981, in the State of Maharashtra. This project is sponsored by Government of India and funded by UNFPA through NCERT, New Delhi.

Population Education Cell had taken a pilot Project in selected Districts i.e. Thane, Dhule, Nandurbar, Gadchiroli, Wardha, Chandrapur and selected blocks and Schools through Adolescent Education for skill building in Adolescents.

Objectives

- (1) To create awareness among students regarding growing population.
- (2) To help the students to develop an insight of growing population and good living standard of life.
- (3) To help the students to develop an insight regarding responsible parenthood.
- (4) To enable the students to face the difficulties in adolescent age, giving them information about AIDS.

Publications and Material Development

- (1) The Population Education Cell has prepared news-letter in the year 2002.
- (2) The Population Education Cell has translated material sent by NCERT, New Delhi for Pilot Project 2002 and translated material sent to Pilot Project Districts.
- (3) Population Education Cell has prepared Report of Pre test and Post test of Pilot Project 2002.

Training

- (1) The MSCERT conducted teacher training programme for 5 days through DIET regarding skill building of project school students.

(2) The MSCERT had arranged one day advocacy programme for teachers through DIET regarding students activities incorporated in the schools under Pilot Project -2002

(3) The MSCERT had arranged one day advocacy programme through H M regarding adolescent education and skill building of students.

Co-Curricular Activities

(1) The MSCERT organized 'Population Day' through District Education Officers at district places in the schools

(2) The MSCERT has conducted some activities for the students for skill building programme .

(3) Special lectures for students.

(4) Councelling of students by teachers and peer leaders.

Monitoring

(1) State Co-ordination Committee Meeting held on 19th April 2002.

(2) MSCERT conducted meeting for pilot project of district officers of district level.

(3) Monitoring visits to schools through E. O. , B. E. O. and Population Education Cell.

Research and Evaluation

(1) PEC cell has prepared Status Reports from 1981 to 2000.

(2) The MSCERT has prepared pilot project report, pre-test and post test of teachers and students by Research Expert.

5. APPENDICES

1. MAHARASHTRA STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, PUNE-30

SANCTIONED POSTS GAZETTED/NON-GAZETTED

Sr. No.	Name of Office	Class-I	Class-II	Class-III	Class-IV	Total
1	2	3	4	5	6	7
1	Maharashtra State Council of Educational Research and Training, Pune 30.	19	36	67	54	176
2	Correspondance Course Unit, MSCERT, Pune 30.	1	7	29	5	42
3	Maharashtra State Institute of Audio-Visual Education, Pune 30.	1	8	14	12	35
4	Educational Technology Cell, (E. T. Cell) Worli, Mumbai-25.	—	—	18	3	21
5	M. S. Council of Educational Research and Training, Regional Office Institute of Vocational Guidance and Selection, Mumbai.	10	11	28	11	60
6	State Institute of English for Maharashtra (SIEM), Aurangabad.	6	6	8	8	28
7	State Institute of Science Education (S. I. E.), Nagpur.	5	12	19	8	44
Total		42	80	183	101	406

2. FRAMEWORK OF PROVISIONS-PLAN AND NON-PLAN SCHEMES 2002-2003

PLAN SCHEMES

(Rs. in lakhs)

Sr.	Name of the Scheme No.	Provision in 2002-2003	Expenditure 2002-2003
1	2	3	4
1	To organize Training Programme of Urdu Medium Teachers, Teaching Science and Maths. at Upper Primary level from stds. VI to VIII.	1.40 lacs	--
2	Orientation Programme of Mathematics Teachers of the Secondary Schools below results of 20 % at the S. S. C. examination.	1.20 lacs	--
3	Training Programmes for the Principals Sr. Lecturers and Lecturers in District Institute of Education and Training.	2.55 lacs	--
		5.15 lacs	--

NON-PLAN SCHEMES 2002-2003

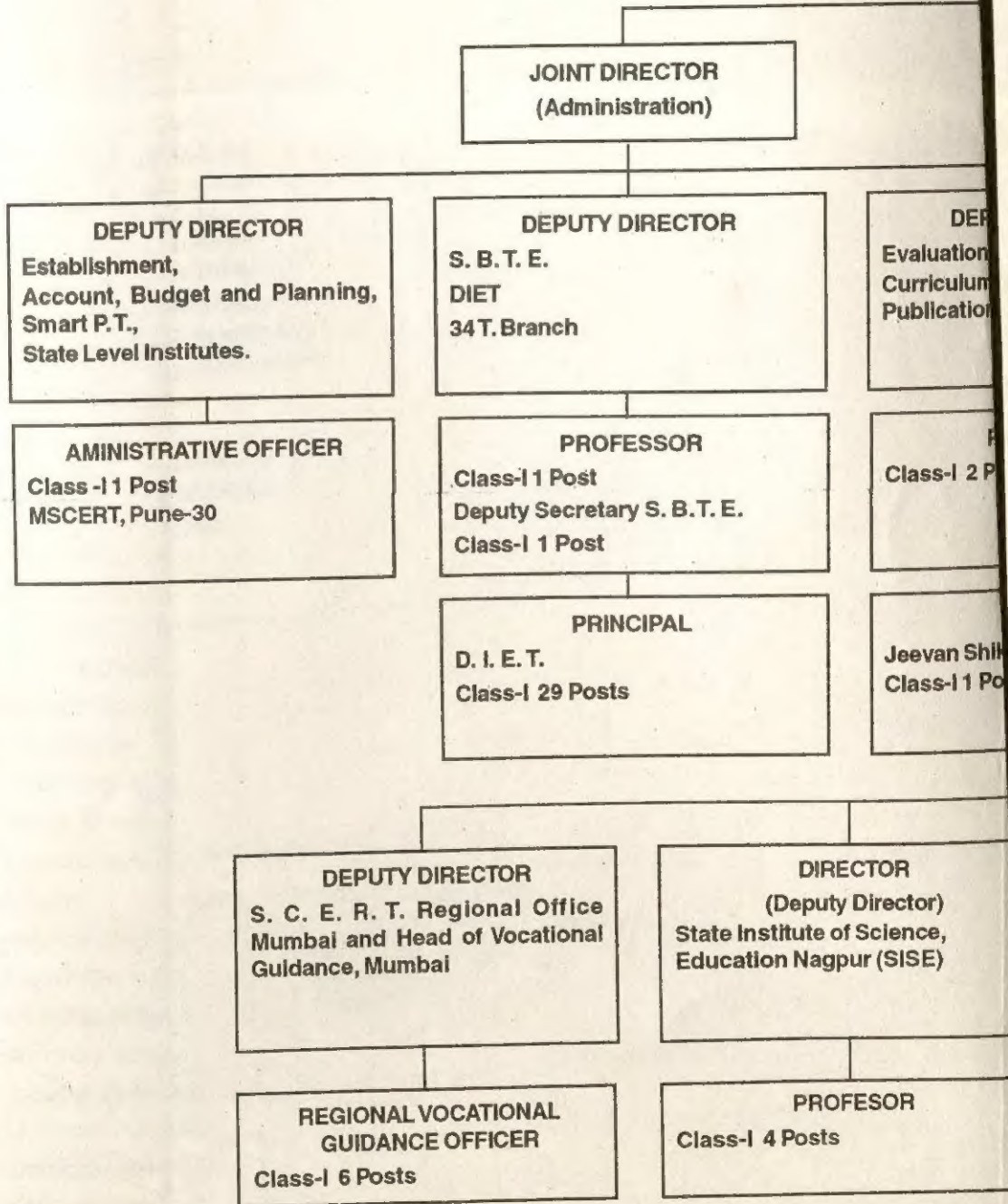
(Rs. in lakhs)

Sr. No.	Name of the Scheme	Provision in 2002-2003	Expenditure 2002-2003
1	2	3	4
1	Value Education Project ..	0.60	0.60
2	Research Programme ..	0.30	0.24 0.30
3	Essay Competition for Primary and Secondary Teachers ..	0.40	0.39
4	Extension Programme for Primary Education ..	0.10	0.05
5	Essay Competition for Secondary teacher at S. C. E. R. T. Pune level ..	0.05	0.05
6	Training of Balwaditai ..	0.80	0.80
7	Training Programme for Geetmanch ..	1.00	1.00
8	State Board of Teachers Education ..	0.05	0.02
9	Library ..	0.34	0.26
10	Hostel Maintainance Charges ..	0.25	0.31



Structure of Maharashtra

Maharashtra State



4. Publications

List of the publications

1. Saptarangee Prerana
2. Nisarg Vedh Paryawaran Hastpustika
3. Ase Hotat Sanskar-I
4. Ase Hotat Sanskar-II
5. Mulyanche Sikshan
6. Swayam Adhyain Upakram Aany Sahitya Language Std. I
7. Swayam Adhyain Upkaram Aany Sahitya Mathematics Std. I
8. Bhashik Khel.
9. Shishhya Wrutti Margdip Std. IV
10. Shalanihaya Niyojan Karyawahi
11. Prathamik Vigynatil Prayog.
12. Prathamik Shaletil Adhyapan Sachetan Kase Karave ?
13. Evaluation for Primary Teachers
14. Prathamik Shalanche Upkram
15. Shala Samuh
16. Chakoribaheeril Sikshan
17. Shram Sanskar Visheshank
18. Kridangan Visheshank
19. Sooksham Adhyapan
20. Prathamopchar
21. English Conversations, Std. V to VII
22. Vigyan Sahitya Petti (Prathamik)
23. Vigyan Sahitya Petti (Ucha Prathamik)
24. Samantesathi Sikshan
25. Ozyavina Adhyain
26. Shalapurva Tayaree-Visheshank
27. Mahatma Phule Visheshank
28. Balwadi Hast pustika
29. Rashtriya Shaikshanik Dhoran
30. Shikshanache Aavhan
31. Krutishodh
32. Darjedar Shikshanachya Navya Disha
33. Maharashtra Krutikaryakram Saransh
34. Wachan Kaushalya Visheshank, July 95
35. Wachanacha Shriganesha Visheshank, August 95
36. Rangrekha (Shaleykala Shikshan Abhyaskram)
37. Balshikshan, Prashikshakasathi Hastpustika
38. Kendrashala Visheshank, December 95
39. Hoin Mi Swayamsiddha
40. Gram Shikshan Samiti Hastpustika
41. Gram Shikshan Samiti Ghadipatrika
42. Karmavir Visheshank
43. Balbharti Marathi Kavitanच्या Kassettes. (Std. III and IV) (only Cash)

**6. Maharashtra State Council of Educational
Research and Training, Pune-411 030**

**Information Regarding the Officers working in MES CL. I (Group A)
During the Year 2002-2003**

Sr. No.	Name and Designation	Period
1	2	3
1.	Shri Marutrao Genaba Marathe, Director ..	01-04-2002 to 31-03-2003
2.	Shri Rajan Balkrishna Phansalkar, Joint Director, (Adm.) ..	17-05-2002 to 21-07-2002
3.	Shri Jayawant Waman Pandharipande, Joint Director (Adm)	22-07-2002 to 31-03-2003
4.	Shri Ramesh Rajaram Pardeshi, Joint Director (D. P. E. P.)	14-05-2002 to 31-03-2003
5.	Shri Ajit Vishwanath Deshpande, Dy. Director (Adm.) ..	01-04-2002 to 01-07-2002
6.	Shri Santoshkumar Satyaprakash Kakan, Dy. Director ..	26-04-2002 to 31-03-2003
7.	Shri Tukaram Namdeo Londhe, Dy. Director, CCU ..	21-01-2003 to 31-03-2003
8.	Shri Dnyandeo Vishnu Pradhan, Head, DPEP ..	19-08-2002 to 31-03-2003
9.	Shri Niranjan Ratanlal Kalamkar, Dy. Director ..	06-07-2002 to 06-07-2002
10.	Shri Pandurang Bapu Bhosale, Professor ..	01-04-2002 to 28-02-2003
11.	Shri Vidyadhar Narayan Shukla, Professor ..	01-04-2002 to 31-03-2003
12.	Smt. Shakuntala Motiram Kale, Professor ..	01-04-2002 to 31-03-2003
13.	Shri Ramrao Shankarrao Khatode, Professor ..	01-04-2002 to 31-03-2003
14.	Shri Sayyad Ziaulla Husaini Khatib, Professor ..	01-04-2002 to 31-08-2002
15.	Shri Dasharath Bhaurao Pawar, Professor ..	02-09-2002 to 31-03-2003
16.	Shri Gokul Buta Bagale, Professor ..	01-04-2002 to 31-10-2002
17.	Smt. Suvarna Balkrishna Navale, Professor ..	02-11-2002 to 31-03-2003
18.	Shri. Vasantkumar Ganpatrao, Hake, Professor ..	01-04-2002 to 31-03-2003
19.	Shri. Prakash Ramchandra, Kulkarni, Professor ..	01-04-2002 to 31-03-2003
20.	Shri. Shivaji Anna Tambe, Editor ..	29-07-2002 to 31-03-2003
21.	Shri. Vishwanath Namdeo Sangade, Project Officer ..	01-04-2002 to 31-03-2003
22.	Shri. Namdeo Kondiba Jarag, Dy. Secretary ..	01-04-2002 to 31-03-2003
23.	Shri. Nuruddin Hisamuddin Mulla, Programme Officer ..	14-08-2002 to 31-03-2003